

No. _____

**In The
Supreme Court of the United States**

JASON DEAN BARNES,
Petitioner,

v.

UNITED STATES OF AMERICA,
Respondent.

**On Petition for a Writ of Certiorari to the
United States Court of Appeals
for the Eleventh Circuit**

PETITION FOR A WRIT OF CERTIORARI

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QUESTION PRESENTED

Whether and in what circumstances the good-faith exception should apply in cases involving emerging digital technologies when law enforcement officers technically disclose a crucial fact that would reveal a warrant's constitutional infirmity, but do so in a way that makes it difficult for a magistrate judge to detect or understand the infirmity?

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PETITION FOR A WRIT OF CERTIORARI

The Petitioner, Jason Dean Barnes, respectfully petitions for a writ of certiorari to review the Eleventh Circuit's judgment.

OPINION BELOW

The Eleventh Circuit's opinion, *United States v. Barnes*, 777 F. App'x 966 (11th Cir. 2019), is provided in the petition appendix ("Pet. App.") at 1A-3A. The Eleventh Circuit addressed the same warrant in its published opinion, *United States v. Taylor*, 935 F.3d 1279 (11th Cir. 2019), provided at Pet. App. 4A-33A.

JURISDICTION

The Eleventh Circuit entered its judgment on September 20, 2019. This petition is being filed within 90 days after entry of judgment. *See* Sup. Ct. R. 13.1. This Court has jurisdiction to grant certiorari under 28 U.S.C. § 1254(1).

CONSTITUTIONAL AND STATUTORY PROVISIONS INVOLVED

The Fourth Amendment to the United States Constitution provides:

The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no Warrants shall issue, but upon probable cause, supported by Oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.

In 2015, Federal Rule of Criminal Procedure 41(b) provided:

(b) Authority to Issue Warrant. At the request of a federal law enforcement officer or an attorney for the government:

- (1) a magistrate judge with authority in the district—or if none is reasonably available, a judge of a state court of record in the district—has authority to issue a warrant to search for and seize a person or property located within the district;
- (2) a magistrate judge with authority in the district has authority to issue a warrant for a person or property outside the district if the person

or property is located within the district when the warrant is issued but might move or be moved outside the district before the warrant is executed;

- (3) a magistrate judge—in an investigation of domestic terrorism or international terrorism—with authority in any district in which activities related to the terrorism may have occurred has authority to issue a warrant for a person or property within or outside the district;
- (4) a magistrate judge with authority in the district has authority to issue a warrant to install within the district a tracking device; the warrant may authorize use of the device to track the movement of a person or property located within the district, outside the district, or both; and
- (5) a magistrate judge having authority in any district where activities related to the crime may have occurred, or in the District of Columbia, may issue a warrant for property that is located outside of the jurisdiction of any state or district, but within [certain enumerated locales].

Effective December 1, 2016—after a Virginia magistrate issued the warrant here—

Congress amended Rule 41(b) to include paragraph 6:

- (6) a magistrate judge with authority in any district where activities related to a crime may have occurred has authority to issue a warrant to use remote access to search electronic storage media and to seize or copy electronically stored information located within or outside that district if:
 - (A) the district where the media or information is located has been concealed through technological means; or
 - (B) in an investigation of a violation of 18 U.S.C. § 1030(a)(5), the media are protected computers that have been damaged without authorization and are located in five or more districts.

The Federal Magistrates Act, 28 U.S.C. § 636(a), provides:

- (a) Each United States magistrate judge serving under this chapter shall have within the district in which sessions are held by the court that appointed the magistrate judge, at other places where that court may function, and elsewhere as authorized by law—

- (1) all powers and duties conferred or imposed upon United States commissioners by law or by the Rules of Criminal Procedure for the United States District Courts;
- (2) the power to administer oaths and affirmations, issue orders pursuant to section 3142 of title 18 concerning release or detention of persons pending trial, and take acknowledgements, affidavits, and depositions;
- (3) the power to conduct trials under section 3401, title 18, United States Code, in conformity with and subject to the limitations of that section;
- (4) the power to enter a sentence for a petty offense; and
- (5) the power to enter a sentence for a class A misdemeanor in a case in which the parties have consented.

STATEMENT OF THE CASE

A. The Network Investigation Technique

In September 2014, the federal government began investigating “Playpen,” a child pornography website accessible on the Tor network. With its built-in guards, often called “nodes” or “relays,” the Tor network provided several layers of protection for the consumers of child pornography on Playpen.¹ Even after federal officials located the server hosting Playpen, and arrested the website’s creator, the users of the content remained anonymized by the Tor network. So in February 2015, federal officials mirrored the Playpen site, moved it to a government-controlled server in Virginia, and prepared to operate the hidden child pornography service on the Tor network to mine the site for information on its users nationwide.

To isolate independent Playpen users on the dark web, federal officials developed a Network Investigation Technique (“NIT”), which has been likened to malware because it is software that runs undetected to extract identifying data from any user that triggers its operation. Federal officials coded the NIT to activate when a Playpen user clicked on specific links in the website, sending the software on its mission to isolate the end user and extract seven data points: the IP address of the computer; the active user name on the computer; the computer’s operating system; the MAC address of the device used to access the website; a unique identifier sent with the NIT code; and whether law enforcement had deployed the NIT to that computer before.

¹ The United States Naval Research Laboratory developed the Tor network to protect sensitive military communications. The Tor network obfuscates the user’s internet protocol (“IP”) address, making it impossible to trace online activity to any one individual or computer. It does this by routing all data through a series of computers, called “nodes” or “relays,” before reaching the user’s computer. Thus, the first node is the only traceable IP address and users remain anonymous. This military technology eventually became available to the public and is also known as the dark web. All types of people use the Tor network to do all types of innocuous activities, but it is also a haven for illegal activity.

B. The NIT Warrant

Because they had developed the software and would be the ones to deploy it, federal officials knew that the NIT would search any user's computer regardless of geographic location. Federal officials also knew that the NIT was not the first of its kind—they had sought to use a similar data extraction tool in 2013. *See In re Warrant to Search a Target Computer at Premises Unknown*, 958 F. Supp. 2d 753, 755 (S.D. Tex. 2013). In an affidavit to a Texas magistrate judge, federal officials openly admitted their jurisdictional problem, but argued that it complied with any statutory constraints on the magistrate's powers. In a published opinion, the magistrate judge disagreed and denied the warrant application because it exceeded statutory territorial limitations. *Id.* at 756-58. Less than six months after *In re Warrant*, federal officials began lobbying to amend the federal rules for broader territorial authority in cases involving remote digital searches into anonymizing technologies.

While they were seeking to cure this potential jurisdictional problem, federal officials presented a Virginia magistrate judge with an affidavit in support of a search warrant to use the NIT in the Playpen investigation. The federal officials who sought this warrant knew much more than the magistrate judge about the cutting-edge digital technology being employed to conduct the search, including that the software would search computers beyond the court's jurisdictional boundaries. Yet the officials repeatedly told the magistrate judge the search would take place within the court's district and buried one technical disclosure that the search would occur in computers "wherever located" deep in their affidavit. But throughout 31 pages of technologically dense information, only once—on page 29—did the federal officials acknowledge that the search would actually occur in an activating computer, "wherever located." It never explicitly stated that "wherever located" necessarily meant outside the magistrate's district.

The Virginia magistrate judge issued the warrant on February 20, 2015. Two weeks later, federal officials shut down Playpen and started local investigations into dozens of users identified through the NIT search.

C. District Court Proceedings

The NIT extracted data on an activating computer in the Middle District of Florida, and additional subpoenaed records connected that information to Mr. Jason Barnes. The government charged Mr. Barnes in a one-count indictment, alleging that he had received child pornography on the Playpen website, in violation of 18 U.S.C. §§ 2252(a)(2) and (b)(1). Mr. Barnes moved to suppress, arguing that the Virginia magistrate judge had no authority under Fed. R. Crim. P. 41(b) (2015) and the Federal Magistrates Act, 28 U.S.C. § 636, to sanction a search beyond the jurisdictional boundaries of that district. Mr. Barnes also contended that the government knowingly ignored the jurisdictional limits set by Rule 41 and § 636 when it requested a borderless search and seizure. He maintained the warrant was void ab initio, law enforcement acted with objective unreasonableness, and the good-faith exception did not apply. Mr. Barnes also noted that the 2016 amendment to Rule 41(b) was evidence that the FBI should have known that the 2015 rule did not provide proper jurisdiction.

The magistrate judge's report and recommendation concluded that the good-faith exception to the exclusionary rule applied. Mr. Barnes objected, stating several disputes with the magistrate's findings. The district court overruled his objections, adopted the report and recommendation, and held that the government had established the good-faith exception required the denial of Mr. Barnes's Motion to Suppress.

Mr. Barnes proceeded to a stipulated bench trial and preserved his right to appeal the denial of his Motion to Suppress. The district court later adjudicated Mr. Barnes guilty and sentenced him to 72 months' imprisonment. He remains incarcerated.

D. The Eleventh Circuit Finds a Fourth Amendment Violation but a Divided Panel Declines to Suppress Under the Good-Faith Exception

On September 20, 2019, the Eleventh Circuit affirmed the lower court's decision in *United States v. Barnes*, 777 F. App'x 966 (11th Cir. 2019), based on its decision three weeks earlier in *United States v. Taylor*, 935 F.3d 1279 (11th Cir. 2019). The result in Mr. Barnes's case is "entirely controlled" by *Taylor*. Pet. App. at 3A.

1. The *Taylor* Majority

The panel in *Taylor* properly answered several questions before reaching the remedy issue. To begin with, *Taylor* held that the NIT warrant violated Rule 41 and § 636, because the Virginia magistrate judge's actions exceeded her statutory territorial limitations. 935 F.3d at 1285-89. Thus, the panel found that the warrant was void *ab initio*, rendering the later search warrantless and presumptively unlawful under the Fourth Amendment. *Id.*

The panel then determined whether they would decline to invoke the exclusionary rule based on good faith. *Id.* at 1289-93. They noted this question should be answered in two parts, and this Court had not addressed the first of those—"whether the good-faith exception can be applied to a search conducted in reliance on a warrant that was void from the outset." *Id.* at 1289. The panel determined that "[s]o long as an officer could reasonably have thought that the warrant was valid, the specific nature of the warrant's invalidity is immaterial." *Id.* at 1290. *Taylor* "thus hold[s] that the good-faith exception to the exclusionary rule can apply when police officers reasonably rely on a warrant later determined to have been void *ab initio*." *Id.* at 1290-91.

The panel then considered the second question—“whether the exception *should* apply to the cases before us today.” *Id.* at 1291. Here the majority and Judge Tjoflat diverge. The majority opted to give federal officials the benefit of the doubt, despite that “the NIT-warrant application was perhaps not a model of clarity,” and that the “general application form . . . was perhaps ill-suited to the complex new technology at issue.” *Id.* at 1291-92. The majority acknowledged that law enforcement worded the affidavit “a bit more obscurely than might have been ideal” when it stated that “the NIT may cause an activating computer—*wherever located*—to send identifying information” to federal officials. *Id.* at 1292 (internal quotations omitted). And in its conclusion, the majority held:

[I]n their totality, the application and affidavit sufficiently disclosed the bounds of the intended search. In light of the square-peg/round-hole issue that they faced, the officers did what we would hope and expect—they fully disclosed the mechanics of the intended search, left the constitutional call to the magistrate judge, and acted in reasonable reliance on the resulting warrant.

Id. The majority in *Taylor* thus refused to find “that officers seeking a search warrant have an affirmative obligation to ‘flag’ potential legal issues in their application.” *Id.* at n.15.

2. Dissent from the Application of the Good-Faith Exception

Judge Tjoflat disagreed with the conclusion that “regardless of any constitutional infirmity, the exclusionary rule should not apply,” and remarked:

The evidence obtained as a result of the NIT warrant should be suppressed because the law enforcement officials who sought the warrant are not entitled to the good faith exception. The officials knew or should have known that there was an issue with jurisdiction and that the search would occur outside the district. Yet, the officials told the magistrate repeatedly that the search would take place in the district. If the law condones this conduct, it makes a mockery of the warrant process.

Id. at 1293 (Tjoflat, J., concurring in part and dissenting to part II.B.2 regarding the good-faith exception); *see also id.* at n.2 (“The only reference to a search that potentially would occur outside

the district comes buried on page 29 of the 31-page affidavit after repeated representations by the officers that the search would take place within the district.”).

Judge Tjoflat reviewed the totality of circumstances before, during, and after the warrant, and concluded that all of the specialized federal officials involved in the NIT warrant “should have known there was a jurisdictional problem.” *Id.* at 1294-98. Those officials “understood the technology and how the search would work better than anyone else,” and yet presented the issue to the magistrate judge in such a way that “smacks of desperation, and . . . appears calculated to lull the magistrate into a false sense of jurisdictional security.” *Id.* at 1298-99. Indeed, “when the subject concerns an exceedingly complex technology with which the author is familiar and the reader is not,” the officials with knowledge of the jurisdictional problem “need to address it, otherwise they are misleading the magistrate.” *Id.* at 1300. And regardless of their knowledge about jurisdiction, the officials also misled the magistrate judge when they “sw[ore] that the search would be within the district.” *Id.* at 1301.

Judge Tjoflat demanded candor in warrant applications, lest “we condone and encourage” the conduct this Court has sought to deter since it developed the exclusionary rule. *Id.* at 1303. Judge Tjoflat would thus employ the exclusionary rule here for the traditional reasons of deterrence, and expressed deep concern with the way the many circuits’ NIT decisions have “undermine[d] the integrity of the warrant process—a process which plays a crucial role in protecting the rights guaranteed by our Constitution.” *Id.* at 1304.

REASONS FOR GRANTING THE WRIT

This petition asks this Court to find that when a warrant application involves cutting-edge digital technology, the Fourth Amendment demands particularity on the scope and breadth of the cyber search, and when that particularity is lacking, officials are properly denied the good-faith

exception. Under a line of cases ending with *Davis v. United States*, 564 U.S. 229 (2011), this Court has applied the “good-faith” exception to the exclusionary rule where law enforcement acted in objective reliance on various external factors, such as an error in a database or a statute later found unconstitutional. But in recent years, lower courts have expanded the “good-faith” exception beyond those contours, effectively allowing it to subsume the rule in cases involving digital searches and seizures. This trend obviates the constitutional requirement for clarity and candor in warrant applications involving cutting-edge digital technology.

Mr. Barnes’s case is one of dozens of criminal prosecutions across the country stemming from one warrant issued in one district by one magistrate judge permitting a nationwide search with government-created specialized software. The federal officials who sought this warrant knew much more than the magistrate judge about the cutting-edge digital technology being used to conduct the search, including that the software would search computers beyond the court’s jurisdictional boundaries. Yet the officials repeatedly told the magistrate judge that the search would take place within the court’s district, and buried one technical disclosure that the search would occur in computers “wherever located” deep in their affidavit. The officials then conducted a limitless digital search relying on this constitutionally deficient warrant of their own making.

While eleven courts of appeal addressed the NIT warrant,² digital technology continues to evolve at an exponential pace. The time has come for this Court to address the disagreement among

² *United States v. Taylor*, 935 F.3d 1279, 1288-1304 (11th Cir. 2019); *United States v. Eldred*, 933 F.3d 110, 121 (2d Cir. 2019); *United States v. Ganzer*, 922 F.3d 579, 587-90 (5th Cir. 2019), *cert. denied*, 140 S. Ct. 276 (2019); *United States v. Moorehead*, 912 F.3d 963, 971 (6th Cir. 2019), *cert. denied*, 140 S. Ct. 270 (2019); *United States v. Kienast*, 907 F.3d 522, 527-29 (7th Cir. 2018), *cert. denied*, 139 S. Ct. 1639 (2019); *United States v. Henderson*, 906 F.3d 1109, 1116-20 (9th Cir. 2018), *cert. denied*, 139 S. Ct. 2033 (2019); *United States v. Werdene*, 883 F.3d 204, 214-19 (3d Cir. 2018), *cert. denied*, 139 S. Ct. 260 (2018); *United States v. McLamb*, 880 F.3d 685, 691 (4th Cir. 2018), *cert. denied*, 139 S. Ct. 156 (2018); *United States v. Levin*, 874 F.3d 316, 323-24 (1st Cir. 2017); *United States v. Horton*, 863 F.3d 1041, 1050-52 (8th Cir. 2017),

jurists over whether and in what circumstances the good-faith exception should apply when officials fail to particularize the scope and breadth of a warrant to use cutting-edge digital technology.

I. A “technical disclosure” of a constitutional infirmity best understood by the affiant and buried deep within a highly detailed affidavit supporting a warrant to use emerging technology is unreasonable and should be deterred.

After *Taylor*, reasonable jurists can not only debate, but indeed disagree, about whether and in what circumstances the good-faith exception should apply when law enforcement officers lack clarity and candor in their application about the cutting-edge digital technology they intend to use, but technically disclose a crucial fact that would reveal a constitutional infirmity with the warrant. Judge Tjoflat expressed deep concern with the “ten courts of appeals [who] have sanctioned the following standard:

When law enforcement officials apply for a warrant, even if they know the warrant is constitutionally suspect, so long as they technically disclose the facts that would reveal the problem to a discerning magistrate, no matter how cursory or buried the disclosure, the warrant is effectively unimpeachable if the magistrate fails to detect the problem.

Taylor, 935 F.3d at 1303 (Tjoflat, J., concurring in part and dissenting to part II.B.2 regarding the good-faith exception).

Because “[t]his standard creates a warped incentive structure” by “encourag[ing] law enforcement to obscure potential problems in a warrant application,” law enforcement places an incredible burden on magistrate judges to recognize those problems. *Id.* This is especially troubling in the realm of digital technologies where the magistrate judge will typically not be the most knowledgeable person in the room. And “if a magistrate makes a mistake—e.g., misses an issue,

cert. denied, 138 S. Ct. 1440 (2018); *United States v. Workman*, 863 F.3d 1313, 1319-21 (10th Cir. 2017), *cert. denied*, 138 S. Ct. 1546 (2018).

gets the law wrong—that mistake will almost always be forgiven because the police can generally rely on an approved warrant in good faith.” *Id.* (citing *United States v. Leon*, 468 U.S. 897, 922 (1984)). Reasonable jurists have rejected such a standard, which “expects so little of law enforcement,” “so much of magistrates,” and is “designed to encourage mistakes.” *Id.*

Under a line of cases ending with *Davis*, this Court has applied the “good-faith” exception to the exclusionary rule where law enforcement acted in objective reliance on various external factors, including reliance on a warrant later found invalid for lack of probable cause, *see Leon*, 468 U.S. at 922, on a warrant that erroneously appeared outstanding because of an error in a court or police database, *see Arizona v. Evans*, 514 U.S. 1 (1995); *Herring v. United States*, 555 U.S. 135, 137 (2009), on a statute later found unconstitutional, *see Illinois v. Krull*, 480 U.S. 340, 352-53 (1987), and on a judicial decision later overruled, *see Davis*, 564 U.S. at 232. But unlike the officials whose actions warranted a good-faith exception under this Court’s precedent, in the context of emerging digital technologies, law enforcement is no longer relying on traditional external factors.

In the digital age, officials single-handedly write and execute specialized warrants to use extremely advanced methods of search and seizure only they fully understand. In these circumstances, officials should be discouraged from making camouflaged “technical disclosures” within a highly detailed affidavit when particularity would expose issues with the scope and breadth of the warrant. The Fourth Amendment also requires this result. Indeed, the more technical the warrant application, the greater particularity is needed to counterbalance it—a “technical disclosure” is not constitutionally adequate in technically advanced cases. This Court should “demand the utmost candor in warrant applications,” and draw a line in the sand to deter officials who fail to properly educate magistrate judges on emerging digital technologies to obtain a

warrant. *Taylor*, 935 F.3d at 1303 (Tjoflat, J., concurring in part and dissenting to part II.B.2 regarding the good-faith exception).

II. The debate in *Taylor* encapsulates the problem with applying the good-faith exception when officials fail to properly educate magistrate judges on emerging technologies to obtain a warrant.

The intersection of technology and the Fourth Amendment is at the heart of the debate in *Taylor*. The Eleventh Circuit recognized that officials faced a “square-peg/round-hole issue,” but the panel disagreed on how the Fourth Amendment and the exclusionary rule should operate in that context. *Taylor*, 935 F.3d at 1292. When “new technology changes the implication of the old rules . . . the question is if and how the Fourth Amendment should adapt.” Orin S. Kerr, *Fourth Amendment Remedies and Development of the Law: A Comment on Camreta v. Greene and Davis v. United States* (November 19, 2011), 2011 Cato Supreme Court Review 237, 256 (2011). Or as Justice Benjamin Cardozo noted almost three-quarters of a century ago, “with new conditions there must be new rules.” BENJAMIN N. CARDODOZO, THE NATURE OF THE JUDICIAL PROCESS 163 (NEW HAVEN: YALE UNIVERSITY PRESS 1947).

In *Taylor*, officials made a “technical disclosure” within a highly detailed affidavit that failed to expose the extensiveness of the search. That warrant was “violative of the Fourth Amendment.” *Taylor*, 935 F.3d at 1288. Certainly, “prosecutors and policemen . . . cannot be asked to maintain the requisite neutrality with regard to their own investigations,” but they must be held to a standard requiring unquestionable candor to courts. *Coolidge v. New Hampshire*, 403 U.S. 443, 450 (1971). The debate in *Taylor* highlights the need for this Court to require law enforcement to describe the digital technology they intend to use with enough particularity for an issuing judge to appreciate the scope and breadth of the digital intrusion into citizens’ lives, and require that the good-faith exception to the exclusionary rule not apply when the officer’s failure to do so results

in a warrant that violates the Fourth Amendment. *See e.g., State v. Copes*, 454 Md. 581, 649 (2017) (Hotten, J., dissenting) (“The more an issuing judge understands the technology associated with the device sought to be used, the better the issuing judge can appreciate the constitutional impact of the search request, particularly when the device has the capacity to conduct a very broad, intrusive search impacting the Fourth Amendment.”).

This is especially important considering the vacuum between every new technology and this Court or Congress addressing its use by law enforcement. For instance, law enforcement installed the GPS tracking device in *United States v. Jones* in 2005, and this Court did not hold until seven years later that its use constituted a search and seizure under the Fourth Amendment. 565 U.S. 400, 402 (2012). Law enforcement searched the smartphones in *Riley v. California* five years before this Court’s decision requiring a warrant. 573 U.S. 373, 403 (2014). And law enforcement used the cell site location information in *Carpenter v. United States* seven years before this Court held that the technology “invaded Carpenter’s reasonable expectation of privacy in the whole of his physical movements.” 138 S. Ct. 2206, 2219 (2018). Even if “[l]egislatures, elected by the people, are in a better position than [this Court] to assess and respond to the changes that have already occurred and those that almost certainly will take place in the future,” Congress has rarely risen to meet that challenge in recent decades. *Riley*, 573 U.S. at 408 (Alito, J., concurring in part and concurring in the judgment) (noting the wiretapping example governed mainly by statute under Title III of the Omnibus Crime Control and Safe Streets Act of 1968, 82 Stat. 211).

So for years before this Court or Congress addresses the impact of any particular new technology on the Fourth Amendment, magistrate judges are the first to confront novel constitutional issues when officials seek a warrant. This task is difficult even when the warrant

application is a “model of clarity,” *Taylor*, 935 F.3d at 1291-92, because magistrate judges must make such swift legal judgments based on the factual representations of officials. *See, e.g., Riley*, 573 U.S. at 401 (discussing an example of a jurisdiction where magistrate judges consider and execute electronic warrant requests in as little as 15 minutes).

Thus, it is imperative that when officials request a warrant involving emerging technologies, they exercise great care to tell the reader exactly who they are targeting, what the technology does and how it does it, where officials are employing the technology, how the tool can be controlled or limited to the requested scope and breadth of the warrant, and thus how they plan to accomplish a constitutional search using the technology. Indeed, the particularity requirement is an essential function of the Fourth Amendment. *Maryland v. Garrison*, 480 U.S. 79, 84 (1987) (“By limiting the authorization to search to the specific areas and things for which there is probable cause to search, the requirement ensures that the search will be carefully tailored to its justifications, and will not take on the character of the wide-ranging exploratory searches the Framers intended to prohibit.”). And because data is different,³ so is the obligation of officials to declare the precise nature of their digital search beyond a “technical disclosure.”

Clarity and candor are crucial. Magistrate judges grasp and often experience firsthand many investigative methods, such as using a GPS device in a car or having blood drawn. But with cutting-edge technology, law enforcement is not only eminently more qualified to understand and explain it to magistrate judges, but they often enjoy exclusive access to the newest information, communication, and surveillance technologies. The implications of this are significant—“Imagine

³ *See, e.g.*, Orin S. Kerr, *Foreword: Accounting for Technological Change*, 36 Harv. J.L. & Pub. Pol'y 403, 407-08 (2013) (“Over time, advancing technology will cause the digital to seem more and more different from the physical. The need for different rules governing digital devices eventually will seem obvious.”); *see also Riley*, 573 U.S. at 378-404; *Carpenter*, 138 S. Ct. at 2211-23.

the judge deciding your divorce did not know what marriage was prior to hearing your case or the jury rendering a verdict on a car accident personal injury case you brought had never seen a car before.” Eric S. Crusius, *How the Law Deals with Emerging Technology: Not Well*, ABOVE THE LAW (February 4, 2015), <https://abovethelaw.com/2015/02/how-the-law-deals-with-emerging-technology-not-well/?rf=1>; *see also, e.g.*, *Kyllo v. United States*, 533 U.S. 27, 34 (2001) (holding that a warrant is required where “the technology in question is not in general public use,” to “assure[] preservation of that degree of privacy against government that existed when the Fourth Amendment was adopted”).

Take the company Grayshift, founded by an ex-Apple security engineer, which debuted a product in 2018 called GrayKey that purported to break into and extract data from encrypted iPhones: “GrayKey is not for everyone.” GRAYSHIFT, <https://graykey.grayshift.com/> (last visited December 6, 2019). Grayshift limits the sale and distribution of its product to local, state, and federal government law enforcement end-users. *See* Kashmir Hill, *The Exoneration Machine*, N.Y. TIMES, November 24, 2019, § BU, at 1. More recently, forensic data extraction giant Cellebrite also announced that it was hacking iPhones on behalf of law enforcement. *See* Andy Greenberg, *Cellebrite Says It Can Unlock Any iPhone for Cops*, WIRED (June 14, 2019), <https://www.wired.com/story/cellebrite-ufed-ios-12-iphone-hack-android/>. While smartphone manufacturers and data mining developers play a never-ending cat and mouse game, law enforcement reap the often-exclusive benefits of cutting-edge software and hardware in their criminal investigations. But “[a]t the same time, this tool risks Government encroachment of the sort the Framers, after consulting the lessons of history, drafted the Fourth Amendment to prevent.” *Carpenter*, 138 S. Ct. at 2223 (internal quotations and citation omitted).

As with the NIT software in *Taylor*, magistrate judges are learning about these

investigative techniques in real-time from one source—the official who writes and presents the warrant application. The NIT warrant, by its very nature, created constitutional infirmities by expanding the search outside the district. Other technologies might do so by sheer scope, such as facial recognition algorithms. Regardless of the type of emerging digital technology, law enforcement will seek to use it to investigate crime, and magistrate judges must be able to discern the true nature of the search and seizure before permitting it to occur. Even well-intentioned officials would benefit from guidance from this Court that they properly educate magistrate judges on emerging technologies to obtain a warrant. Justice Brandeis expressed as much in his well-known 1928 dissent:

Experience should teach us to be most on our guard to protect liberty when the government's purposes are beneficent. Men born to freedom are naturally alert to repel invasion of their liberty by evil-minded rulers. The greatest dangers to liberty lurk in insidious encroachment by men of zeal, well-meaning but without understanding.

Olmstead v. United States, 277 U.S. 438, 479 (1928) (Brandeis, J., dissenting), overruled in part by *Berger v. State of N.Y.*, 388 U.S. 41 (1967), and overruled in part by *Katz v. United States*, 389 U.S. 347 (1967).

To be sure, “[l]aw-enforcement officers have a duty to lay out facts—including jurisdictional facts—for reviewing courts.” *Taylor*, 935 F.3d at 1292 n.15; *see also id.* at 1297 (Tjoflat, J., concurring in part and dissenting to part II.B.2 regarding the good-faith exception) (“And if they knew that there would be an issue with jurisdiction, they had an obligation to flag it for the magistrate.”). Requiring officials to be particular with their facts, especially as to the scope and breadth of a cyber-search, differs from requiring officials “to anticipate and articulate possible legal hurdles.” *Id.* at 1292 n.15. The Fourth Amendment demands the former so magistrate judges can effectively do the latter. And in technologically complicated applications, employing the

exclusionary rule when law enforcement does not explain the scope and breadth of a cyber-search with particularity avoids a “warped incentive structure” by encouraging law enforcement not to obscure potential problems in a warrant application. *Id.* at 1303 (Tjoflat, J., concurring in part and dissenting to part II.B.2 regarding the good-faith exception).

Our legal system will grapple with untold technological revolutions in the next decade involving nanotechnologies, biotechnology, regenerative and reproductive medicine, robotics, neuroscience, and synthetic biology. But in the criminal context, the boundaries of the constitutional protections guaranteed in the Fourth Amendment may be most tested by advances in information, communication, and surveillance technologies. In those areas, “[a] narrow construction of the good faith exception allows for more effective preservation of privacy rights in the twenty-first century.” Elise Desiderio, *State v. Copes: Surveillance Technology and the Limits of the Good Faith Exception to Fourth Amendment Violations*, 14 J. Bus. & Tech. L. 171, 195 (2018). This is necessary to deter official abuse of the warrant process to justify their use of technologies that by their very nature create constitutional infirmities. “[I]f law enforcement officials were permitted to deliberately or recklessly include false representations in the warrant application, ‘and, having misled the magistrate, then [were] able to remain confident that the ploy was worthwhile,’ it would neuter the Fourth Amendment.” *Taylor*, 935 F.3d at 1303 (Tjoflat, J., concurring in part and dissenting to part II.B.2 regarding the good-faith exception) (citing *Franks v. Delaware*, 438 U.S. 154, 164 (1978)).

Thus, “when the subject [of a warrant application] concerns an exceedingly complex technology with which the author is familiar and the reader is not,” the officials with knowledge of the jurisdictional problem “need to address it, otherwise they are misleading the magistrate.” *Id.* at 1300. The debate in *Taylor*, and indeed the prevalence of emerging digital technologies in

criminal investigations nationwide, underscores the need for this Court to address whether and in what circumstances the good-faith exception should apply in cases involving emerging technologies when law enforcement officers technically disclose a crucial fact that would reveal a constitutional infirmity with the warrant, no matter how cursory or buried the disclosure, if the magistrate judge fails to detect or understand the problem.

CONCLUSION

For these reasons, the petition should be granted.

Respectfully submitted,

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APPENDIX 1A

777 Fed.Appx. 966 (Mem)

This case was not selected for publication in West's Federal Reporter.

See Fed. Rule of Appellate Procedure 32.1 generally governing citation of judicial decisions issued on or after Jan. 1, 2007. See also U.S. Ct. of App. 11th Cir. Rule 36-2.

United States Court of Appeals, Eleventh Circuit.

UNITED STATES of America, Plaintiff-Appellee,

v.

Jason Dean BARNES, Defendant-Appellant.

No. 18-10458

|
Non-Argument Calendar

|
(September 20, 2019)

Attorneys and Law Firms

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Appeal from the United States District Court for the Middle District of Florida, D.C. Docket No. 3:15-cr-00112-BJD-PDB-1

Before WILSON, BRANCH, and ANDERSON, Circuit Judges.

Opinion

PER CURIAM:

Jason Barnes appeals his conviction for receipt of child pornography. He contends that the district court erred in denying his motion to suppress evidence obtained using a “network investigative technique” (“NIT”), the use of which was authorized by a magistrate judge in the Eastern District of Virginia. Barnes asserts that the warrant authorizing use of the NIT was void *ab initio* because the issuing magistrate judge exceeded her authority under the 2015 version of Federal Rule of Criminal Procedure 41(b) and § 636(a) of the Federal Magistrates Act. Barnes argues that searches made pursuant to warrants void *ab initio* are the equivalent of warrantless searches, and thus, suppression of the evidence obtained using the NIT is warranted because the search violated his Fourth Amendment rights. He also argues that the evidence was not admissible under the good-faith exception to the exclusionary rule because the Federal Bureau of Investigations (“FBI”) agents who obtained the warrant misled the magistrate judge as to the territorial scope of the search and should have been aware that the NIT warrant could not have been authorized under the 2015 version of Rule 41(b).

When reviewing the denial of a motion to suppress, we review the district court's legal conclusions *de novo* and its findings of fact for clear error. *967 *United States v. Hollis*, 780 F.3d 1064, 1068 (11th Cir. 2015). We review the entire record in the light most favorable to the party prevailing below. *Id.* The Fourth Amendment protects against

unreasonable searches and seizures but does not contain a provision precluding the use of evidence obtained in violation of its commands. *Herring v. United States*, 555 U.S. 135, 139, 129 S.Ct. 695, 172 L.Ed.2d 496 (2009). The exclusionary rule is a judicially-created remedy that forbids the use of improperly obtained evidence at trial in order to deter Fourth Amendment violations. *Id.* at 139–40, 129 S.Ct. 695.

Section 636(a)(1) of the Federal Magistrates Act states that:

[e]ach United States magistrate judge serving under this chapter shall have within the district in which sessions are held by the court that appointed the magistrate judge, at other places where that court may function, and elsewhere as authorized by law ... all powers and duties conferred or imposed upon United States commissioners by law or by the Rules of Criminal Procedure for the United States District Courts.

28 U.S.C. § 636(a)(1).

Rule 41(b) (2015) stated that a magistrate judge could issue a warrant at the request of law enforcement where: (1) a magistrate judge with authority in the district had authority to issue a warrant to search for and seize a person or property located within the district;

(2) a magistrate judge with authority in the district had authority to issue a warrant for a person or property outside of the district if the person or property was within the district when the warrant was issued but might have moved or been moved outside of the district before the warrant was executed; (3) in a terrorism investigation, a magistrate judge with authority in any district in which activities related to that terrorism may have occurred had authority to issue a warrant for a person or property within or outside that district; (4) a magistrate judge with authority in the district had authority to issue a warrant to install a tracking device within the district, and that warrant may authorize use of the tracking device to track movement of a person or property located within the district, outside the district, or both; and (5) in specified areas for property located outside the jurisdiction of any state or district. Fed. R. Crim. P. 41(b)(1)–(5) (2015).

This Court recently addressed both of Barnes's arguments in *United States v. Taylor*, 935 F.3d 1279, 2019 WL 4047512 (11th Cir. Aug. 28, 2019). First, we held that the NIT warrant was not authorized by Federal Rule of Criminal Procedure 41(b). *Taylor*, 935 F.3d at 1286–87, 2019 WL 4047512 at *6. In issuing the warrant, the magistrate judge exceeded her authority granted in 28 U.S.C. § 636, thus rendering the warrant void at issuance and the resulting search violative of the Fourth Amendment. *Id.* at 1287–88, at *7. However, we held that the good-faith exception to the exclusionary rule was available, even in the case of a void warrant. *Id.* at 1290–91, at *9. We held that the FBI agents who sought the warrant were entitled to that exception because

there was no indication that they “sought to deceive the magistrate judge or otherwise acted culpably or in a way that necessitates deterrence—and certainly no indication of the sort of ‘deliberate[], reckless[], or ... gross[ly] negligenc[t]’ conduct that the Supreme Court has recently highlighted as the focus of the exclusionary-rule/good-faith inquiry.” *Id.* at 1291, at *10 (quoting *Davis v. United States*, 564 U.S. 229, 240, 131 S. Ct. 2419, 180 L.Ed.2d 285 (2011)). The application and affidavit sufficiently divulged the extent of the search, and the officers left the constitutionality of the search to the magistrate judge. *Id.* at 1292–93, at *11. We *968 concluded that

because we did not find the officers culpable and saw no deterrent value in suppressing the evidence found on the defendants’ computers, the good-faith exception applied. *Id.*

Barnes’s case is entirely controlled by the decision in *Taylor* because he raises the same arguments based on the same operative facts. Therefore the judgment of the district court is

AFFIRMED.

All Citations

777 Fed.Appx. 966 (Mem)

APPENDIX 4A

935 F.3d 1279
United States Court of
Appeals, Eleventh Circuit.

UNITED STATES of
America, Plaintiff - Appellee,
v.

James Ryan TAYLOR,
Defendant - Appellant.
United States of America,
Plaintiff - Appellee,

v.

Steven Vincent Smith,
Defendant - Appellant.

No. 17-14915, No. 18-11852

|

(August 28, 2019)

|

Corrected September 4, 2019

Synopsis

Background: Defendants charged with receiving child pornography and with possessing and accessing child pornography with the intent to view it moved to suppress evidence against them. The United States District Court for the Northern District of Alabama, No. 4:16-cr-00312-VEH-JHE-1 and No. 2:16-cr-00203-KOB-JEO-1, Karon O. Bowdre, Chief Judge, 250 F.Supp.3d 1215, denied the motions. Defendants appealed.

Holdings: The Court of Appeals, Newsom, Circuit Judge, held that:

[1] network investigative technique (NIT) used to obtain identifying information regarding

computer users in other parts of the United States was not a “tracking device” within meaning of rule providing for issuance of tracking device warrants;

[2] warrant authorizing NIT was void at issuance and ensuing search violated defendants' Fourth Amendment rights; but

[3] good faith exception to exclusionary rule applied to evidence seized in reliance on NIT warrant.

Affirmed.

Tjoflat, Circuit Judge, filed opinion concurring in part and dissenting in part.

West Headnotes (13)

[1] Searches and Seizures

↳ Expectation of privacy

Telecommunications

↳ Computer communications

Users of the “dark web,” that is, the part of the internet only accessible by means of special software, allowing users and website operators to remain anonymous or untraceable, purposefully shroud their browsing, such that they have a reasonable expectation of privacy in their online movements to which the Fourth Amendment's protections apply. U.S. Const. Amend. 4.

[2] Criminal Law

↳ Review De Novo

Criminal Law

↳ Evidence wrongfully obtained

In reviewing a district court's denial of a motion to suppress, the Court of Appeals reviews factual findings for clear error and the application of law to those facts de novo.

1 Cases that cite this headnote

[3] Criminal Law

↳ Review De Novo

When the facts are undisputed, the Court of Appeals simply reviews the legality of a search de novo.

[4] Telecommunications

↳ Judicial authorization in general
Network investigative technique (NIT) used to obtain identifying information regarding computer users or administrators in other parts of the United States and send that information back to a government-controlled computer located in Eastern District of Virginia was not a "tracking device" within meaning of the rule providing for issuance of tracking device warrants to track movement of person or property outside district, since NIT did not reveal locational information tracking movement of person or object; rather, it performed one-time extraction of non-locational

identifying information which was then traced to physical address using internet service provider's records. Fed. R. Crim. P. 41(b)(4).

1 Cases that cite this headnote

[5] Criminal Law

↳ Necessity of Constitutional Violation in General

Criminal Law

↳ Evidence obtained in violation of rules or regulations in general

While constitutional violations may merit suppression, mere technical noncompliance with a procedural rule results in the exclusion of evidence only when: (1) there was prejudice in the sense that the search might not have occurred or would not have been so abrasive if the rule had been followed, or (2) there is evidence of intentional and deliberate disregard of a provision in the rule.

[6] Telecommunications

↳ Judicial authorization in general
Magistrate judge exceeded her statutory jurisdiction in issuing warrant authorizing use of network investigative technique (NIT) to obtain identifying information regarding computer users or administrators in other parts of the United States and send that information back to government-controlled computer located in

Eastern District of Virginia, and, thus, NIT warrant was void at issuance and ensuing search violated defendants' Fourth Amendment rights, where NIT warrant did not fall within ambit of rule providing for issuance of tracking device warrants, and there was no other rule that gave magistrate judge authority to issue NIT warrant. U.S. Const. Amend. 4; 28 U.S.C.A. § 636(a)(1); Fed. R. Crim. P. 41(b).

3 Cases that cite this headnote

[7] Searches and Seizures

↳ Authority to Issue

A search warrant issued in defiance of the statutory limitations on the jurisdiction of a federal magistrate judge is void. 28 U.S.C.A. § 636(a).

[8] Criminal Law

↳ Operation and extent of, and exceptions to, the exclusionary rule in general

The remedy of exclusion of evidence obtained in violation of the Fourth Amendment does not follow automatically; society must swallow the bitter pill of suppression when necessary, but only when the benefit of exclusion outweighs its substantial social costs. U.S. Const. Amend. 4.

[9] Criminal Law

↳ Exceptions Relating to Defects in Warrant

What matters for purposes of the exclusionary rule and its good-faith exception is not the validity of the warrant in fact, but, rather, the validity of the warrant as it would have reasonably appeared to an officer tasked with executing it. U.S. Const. Amend. 4.

[10] Criminal Law

↳ Operation and extent of, and exceptions to, the exclusionary rule in general

The exclusionary rule is concerned with deterring officer misconduct and punishing officer culpability, not with setting judges straight. U.S. Const. Amend. 4.

[11] Criminal Law

↳ Exceptions Relating to Defects in Warrant

So long as an officer could reasonably have thought that the warrant was valid, the specific nature of the warrant's invalidity is immaterial with respect to the exclusionary rule. U.S. Const. Amend. 4.

[12] Criminal Law

↳ Exceptions Relating to Defects in Warrant

In light of the exclusionary rule's purpose of deterring culpable police misconduct, there is no reason to distinguish between good faith reliance on a void warrant and any other warrant later deemed defective, and, thus, the good faith exception to the exclusionary rule can apply when police officers reasonably rely on a warrant later determined to have been void ab initio. U.S. Const. Amend. 4.

[13] Criminal Law

⇨ Electronic surveillance cases

Good faith exception to exclusionary rule applied to evidence of child pornography seized in reliance on search warrant authorizing use of network investigative technique (NIT) to obtain identifying information regarding computer users or administrators in other parts of the United States and send that information back to government-controlled computer located in Eastern District of Virginia, although warrant was void at issuance, where officers did not intentionally mislead magistrate judge into believing property to be searched was located within district; rather, application and affidavit sufficiently disclosed bounds of intended search, and officers acted in reasonable reliance on resulting warrant. U.S. Const. Amend. 4.

2 Cases that cite this headnote

Attorneys and Law Firms

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Kevin L. Butler, Glennon Fletcher Threatt, Jr., Allison Case, Tobie John Smith, Ebony Glenn Howard, Assistant Federal Public Defender, Federal Public Defender, Birmingham, AL, for Defendant - Appellant.

Appeals from the United States District Court for the Northern District of Alabama, D.C. Docket No. 4:16-cr-00312-VEH-JHE-1, D.C. Docket No. 2:16-cr-00203-KOB-JEO-1,

Before TJOFLAT and NEWSOM, Circuit Judges, and ANTOON,* District Judge.

* Honorable John Antoon II, United States District Judge for the Middle District of Florida, sitting by designation.

Opinion

NEWSOM, Circuit Judge:

James Taylor and Steven Smith are the latest in a long line of child-pornography consumers to argue that the evidence of their crimes should be suppressed because the warrant that led to its discovery—issued by a magistrate judge in the Eastern District of Virginia but purporting to authorize a nationwide, remote-access computer search—violated the Fourth

Amendment. By our count, we become today the eleventh (!) court of appeals to assess the constitutionality of the so-called “NIT warrant.” Although the ten others haven’t all employed the same analysis, they’ve all reached the same conclusion—namely, that evidence discovered under the NIT warrant need not be suppressed. We find no good reason to diverge from that consensus here, but the case nonetheless calls for careful consideration, as it implicates several important issues.

As an initial matter, did the NIT warrant violate Federal Rule of Criminal Procedure 41(b), which specifies where and in what circumstances a magistrate judge may issue a warrant—and relatedly, if the warrant did violate Rule 41(b), was that violation of constitutional magnitude? We hold that because the magistrate judge’s actions exceeded not only Rule 41(b) but also her statutorily prescribed authority under the Federal Magistrates Act, 28 U.S.C. § 636(a)—which circumscribes the scope of a magistrate judge’s jurisdiction—the warrant was void *ab initio*, rendering any search purporting to rely on it warrantless and thus presumptively unlawful under the Fourth Amendment.

That leads us to the question of remedy, which we take in two parts: First, is exclusion required—without regard to the reasonableness of the officers’ reliance—where, as here, the warrant was void from the outset, as Taylor and Smith urge? Or, as the government contends, should a void *1282 warrant be treated no differently from other defective warrants, such that the good-faith exception to the exclusionary rule can still apply? We hold that, because the exclusionary rule is concerned solely with

deterring culpable police misconduct—and not at all with regulating magistrate judges’ actions—void and voidable warrants should be treated no differently; accordingly, an officer’s reasonable reliance on the former, like the latter, can provide the basis for applying the good-faith exception.

Second, even if the good-faith exception can apply when an officer relies on a void warrant, should the exception apply in the particular circumstances of this case? We hold that the officers’ warrant application here adequately disclosed the nature of the technology at issue and the scope of the intended search, that the officers reasonably relied on the magistrate judge’s determination that the search was permissible, and, accordingly, that the good-faith exception applies in this case.

I

A

We begin with a bit of context. In the normal world of web browsing, an internet service provider assigns an IP address—a unique numerical identifier—to every computer that it provides with internet access. Websites can log IP addresses to keep track of the computers that visit, in essence creating a digital guest book. Internet browsing, therefore, isn’t quite as private as most people think—it’s actually pretty easy, for instance, for law enforcement to find out who visited what sites, when, and for how long simply by subpoenaing IP-address logs from service providers.

Not so when it comes to the “dark web,” the part of the internet “only accessible by means of special software, allowing users and website operators to remain anonymous or untraceable.” Blog.OxfordDictionaries.com.¹ “The Onion Router”—usually abbreviated “Tor”—is one such software program. Tor, which was the brainchild of the U.S. Navy but has since been released to the public, works by routing a user's webpage requests through a series of computer servers operated by volunteers around the globe, rendering the user's IP address essentially unidentifiable and untraceable. In the words of the folks who currently administer the “Tor Project,” a Massachusetts-based § 501(c)(3) organization responsible for maintaining Tor, you might think of what Tor does as “using a twisty, hard-to-follow route in order to throw off someone who is tailing you—and then periodically erasing your footprints.”²

1 *See also* Ahmed Ghappour, *Searching Places Unknown: Law Enforcement Jurisdiction on the Dark Web*, 69 Stan. L. Rev. 1075, 1087 (2017) (“The dark web is a private global computer network that enables users to conduct anonymous transactions without revealing any trace of their location.”).

2 *See* Lee Matthews, *What Tor Is, and Why You Should Use It to Protect Your Privacy*, Forbes (Jan. 27, 2017, 2:30 p.m.), <https://www.forbes.com/sites/leemathews/2017/01/27/what-is-tor-andwhy-do-people-use-it/#3186d5387d75> (last visited Aug. 27, 2019); *see also* Tor Project, <https://2019.www.torproject.org/projects/torbrowser.html.en> (“[Tor] prevents somebody watching your Internet connection from learning what sites you visit, it prevents the sites you visit from learning your physical location, and it lets you access sites which are blocked.”) (last visited Aug. 27, 2019).

As you can imagine, Tor has plenty of legitimate uses—think military and law-enforcement officers carrying out investigations, journalists seeking to maintain

anonymity, and ordinary citizens researching embarrassing topics. As you can also imagine, Tor has spawned—and effectively enables—a cache of unsavory sites for black-market trading, child-pornography file-sharing, *1283 and other criminal enterprises. This is so because, in addition to allowing users to access public websites without leaving a trail, Tor also hosts a number of so-called “hidden services,” *i.e.*, sites accessible *only* through Tor. You can't just Google a hidden service; rather, a user can access one of these Tor-specific sites only by knowing its exact URL address. Most Tor-site addresses comprise a random jumble of letters and numbers followed by the address “.onion”—in place, say, of “.com” or “.org”—and are shared via message-board postings on the regular internet or by word of mouth.

The hidden-service page at issue here, “Playpen,” was a child-pornography-distribution site accessible only through Tor. At the time the FBI began monitoring Playpen, the site contained more than 95,000 posts, had 160,000 members, and hosted up to 1,500 visitors per day. The FBI monitored the site for several months until, based on a foreign-government tip, it found and arrested the administrator. Rather than shutting Playpen immediately, the FBI covertly took control of the site and began operating it out of a government server in Newington, Virginia, hoping to snare more users.

As a means of ferreting out Playpen visitors whose identities were masked by Tor, the FBI sought to deploy government-created malware—specifically, a computer code called the Network Investigative Technique (“NIT”)—that would transmit user information back

to the FBI. Here's how the NIT worked: When a Playpen user downloaded images from a Tor-based site, the NIT would essentially "hitchhike" along, invade the host computer, and force it to send to the FBI (among other information) the computer's IP address, the computer's host name, and the username associated with the computer. Based on that information, the FBI could identify the user's internet service provider and the computer affiliated with the account that accessed Playpen, thereby unmasking the user and providing probable cause for the FBI to seek a warrant to seize computers and hard drives.

B

To effectuate this plan, FBI Agent Douglas Macfarlane submitted a search-warrant application to a magistrate judge in the Eastern District of Virginia, requesting authorization to deploy the NIT. The application wasn't a model of clarity or precision, particularly regarding the issue that most concerns us here—namely, the geographic scope of the requested search authority. In the case caption, the application described the "property to be searched"—seemingly without territorial restriction—as "COMPUTERS THAT ACCESS upf45jv3bziuctml.onion," which we now know to be associated with Playpen. Just below, however, in the body, the application asserted a reasonable belief that evidence of child-pornography-related crimes was contained on property "located in the Eastern District of Virginia." As part of the same statement—regarding the "property to be searched"—the application referred to an "Attachment A." Attachment A in turn stated

that the NIT was "to be deployed on the computer server ... operating the [Playpen] website" and specified that the server was "located at a government facility in the Eastern District of Virginia." Attachment A then went on to state, though, that the goal of deploying the NIT was to obtain information from "[t]he activating computers ... of *any user or administrator* who logs into [Playpen] by entering a username and password."

As is often the case, the NIT application also referenced an attached affidavit. Agent Macfarlane's affidavit summarized the applicable law, explained numerous technical terms of art, and described Tor *1284 and the "Target Website"—*i.e.*, Playpen. On page 29 of 31, under the bolded heading "SEARCH AUTHORIZATION REQUESTS," the affidavit stated, for the first time expressly, that "the NIT may cause an activating computer —*wherever located*—to send to a computer controlled by or known to the government" certain information, including the IP address and host name.³

3 The warrant also explained that the NIT would send the following information: the unique identifier that distinguishes the data on the host computer from that of other computers, the type of operating system the host computer is running, whether the NIT has already been downloaded to the host computer, an active operating system username, and a Media Access Control address.

A magistrate judge in the Eastern District of Virginia signed the warrant and the FBI deployed the NIT.

C

Not long thereafter, NIT-transmitted data revealed to the FBI that a certain Playpen user was linked to a computer with the host name “RyansComputer.” After the user accessed several images of child pornography, the FBI sent an administrative subpoena to the user’s internet service provider and discovered that the IP address associated with the computer was assigned to James Taylor in Birmingham, Alabama. A magistrate judge in the Northern District of Alabama then authorized a search warrant for Taylor’s residence, where the FBI seized Taylor’s laptop, hard drive, and USB drive. After analyzing the hardware twice, the FBI found what it was looking for.

Steven Smith’s Playpen activities were discovered in a nearly identical way. As in Taylor’s case, the NIT revealed that someone had used Smith’s computer and IP address to log into Playpen. Based on the NIT data, the FBI subpoenaed records from an internet service provider and used that information to secure a warrant from a magistrate judge in the Northern District of Alabama, allowing officers to search Smith’s residence in Albertville, Alabama. The search revealed child-pornography images on a thumb drive. After arresting Smith, the officers obtained a search warrant for his office and seized his work computer, which also contained child pornography.

Taylor and Smith were charged with receiving child pornography under 18 U.S.C. § 2252A(a)(2) and with possessing and accessing child pornography with the intent to view it under 18 U.S.C. § 2252A(a)(5)(B) & (b)(2). They both moved to suppress the evidence against them, asserting, as relevant here, that the NIT warrant

violated the Fourth Amendment, Federal Rule of Criminal Procedure 41(b), and the Federal Magistrates Act, 28 U.S.C. § 636(a), and, accordingly, that the seized images should be suppressed as fruit of the poisonous tree. The district court in each case denied the motion to suppress. Both courts agreed that the NIT warrant violated the Fourth Amendment—and was thus void—but declined to suppress the evidence on the ground that the searches, and the resulting seizures, fell within the good-faith exception to the exclusionary rule. Both defendants appealed, and their cases were consolidated for review and decision.

II

[1] [2] [3] All here agree that the NIT’s extraction and transmission of Taylor’s and Smith’s information was a “search” within the meaning of the Fourth Amendment. U.S. Const. amend. IV.⁴ All likewise *1285 agree that no exigency or other exception exempted the FBI from the usual requirement to obtain a search warrant. *See United States v. Cooks*, 920 F.3d 735, 741 (11th Cir. 2019) (“[W]arrantless searches are presumptively unreasonable, ‘subject only to a few specifically established and well-delineated exceptions.’ ” (quoting *Katz v. United States*, 389 U.S. 347, 357, 88 S.Ct. 507, 19 L.Ed.2d 576 (1967))). There, the agreement ends. The parties vigorously dispute whether the NIT warrant was valid and, if not, whether (and to what extent) that fact should bear on the admissibility of the evidence found. Accordingly, we are faced with the following issues, each with its own twists and turns: (1) Did the NIT warrant violate Federal Rule of Criminal Procedure 41(b) and, if so, did it

likewise violate the Fourth Amendment? And (2) if the NIT warrant did run afoul of the Fourth Amendment, does the exclusionary rule apply?⁵

4 That Taylor and Smith used Tor to download child pornography is important because it takes this case out of third-party-doctrine land. *See Smith v. Maryland*, 442 U.S. 735, 99 S.Ct. 2577, 61 L.Ed.2d 220 (1979). Instead of traveling along the equivalent of “public highways” (by browsing the open internet) or leaving the equivalent of a calling card at each website visited (as with a normal internet search), Tor users purposefully shroud their browsing, such that they have a reasonable expectation of privacy in their online “movements.” *See United States v. Davis*, 785 F.3d 498, 507 (11th Cir. 2015) (explaining that the Fourth Amendment’s protections apply where an individual has exhibited “a subjective expectation of privacy” that society recognizes as reasonable (citation omitted)).

5 In reviewing a district court’s denial of a motion to suppress, we review factual findings for clear error and the application of law to those facts *de novo*. *United States v. Ramirez*, 476 F.3d 1231, 1235 (11th Cir. 2007). Where, as here, the facts are undisputed, we simply review the legality of a search *de novo*. *United States v. Phillips*, 834 F.3d 1176, 1179 (11th Cir. 2016).

A

1

Federal Rule of Criminal Procedure 41(b), titled “Venue for a Warrant Application,” both outlines the situations in which a magistrate judge may issue a warrant for a search within her district and specifies the more limited circumstances in which she may issue a warrant for a search *outside* her district. With respect to the former, Rule 41(b)(1) states that “a magistrate judge with authority in the district ... has authority to issue a warrant to search for and seize a person or property located within

the district.” Fed. R. Crim. P. 41(b)(1). It is undisputed, though, that the NIT warrant sought authority to search for information outside the territorial confines of the Eastern District of Virginia. And the parties agree that, for present purposes, Rule 41(b)(4)—which authorizes “tracking device” warrants—is the only provision that could have empowered the magistrate judge to authorize the specific out-of-district search in this case. That rule permits a magistrate “to issue a warrant to install within the district a tracking device” to “track the movement of a person or property located *within the district, outside the district, or both.*” Fed. R. Crim. P. 41(b)(4) (emphasis added).⁶ Accordingly, the NIT warrant complies with Rule 41(b) only if we conclude that it was issued in accordance with subsection (b)(4).⁷

6 As it turns out, Rule 41(b) has since been amended to add a provision—subsection (b)(6)—for remote electronic searches of the sort at issue in this case. *See infra* Section II.B.2.

7 No court of appeals has found that the NIT warrant fits within the tracking-device exception, although this argument has persuaded a few district courts. *See United States v. Taylor*, 250 F. Supp. 3d 1215, 1222–23 (N.D. Ala. 2017) (compiling district and appellate court holdings on NIT-warrant searches).

We find two mismatches—one formal (but telling) and the other substantive. Initially, as a matter of form, although the *1286 government now *defends* the NIT warrant on a tracking-device basis, it conspicuously didn’t *seek* the warrant under Rule 41(b)(4). Tracking-device warrants issued under subsection (b)(4) are generally requested pursuant to a specialized “Application for a Tracking Warrant.”⁸ Here, though, the FBI seems to have sought the NIT warrant under Rule 41(b)(1)’s general provision for

warrants authorizing in-district searches. The warrant application's cover sheet represented that the FBI wished to search property "located in the Eastern District of Virginia," and neither the application nor the accompanying affidavit mentioned the term "tracking device" or otherwise indicated that the application sought authorization under subsection (b)(4). The government's revisionism on appeal—invoking Rule 41(b)(4) to defend what was, by all accounts, a Rule 41(b)(1) application—undermines its position that the Rule's tracking-device provision sanctions the NIT warrant.

8 *See, e.g.*, Administrative Office of U.S. Courts, Criminal Forms AO 102 (2009) & AO 104 (2016), <http://www.uscourts.gov/forms/criminal-forms> (last visited Apr. 26, 2019).

Moreover, and in any event, we reject the government's tracking-device argument on the merits. For Rule 41 purposes, a "tracking device" is "an electronic or mechanical device which permits the tracking of the movement of a person or object." 18 U.S.C. § 3117(b); *see also* Fed. R. Crim. P. 41(a)(2)(E) (explaining that "'[t]racking device' has the meaning set out in 18 U.S.C. § 3117(b)"). The government contends that the NIT constitutes a tracking device because "just as a GPS tracker attached to a car will send a receiver coordinates or other signals with locational information, the NIT augmented the content of Playpen and sent locational information back to a government-controlled computer." Br. of Appellee at 15.

[4] We disagree. The NIT didn't "track" anything. Rather, the NIT performed a one-time extraction of information—including a computer's IP address, username, and other identifying material—which it transmitted to the FBI. Of course, the identifying information

that the NIT extracted and sent was then traced to a physical address using an internet service provider's records. But that the FBI eventually used the NIT-transmitted information to discover additional facts that, in turn, enabled it to then determine a Playpen user's location in no way transformed the initial information transmittal into "tracking." Indeed, if the term "tracking device" included every gadget capable of acquiring and transmitting information that could somehow, in some way, aid in identifying a person's location, the term would be unimaginably broad, including any phone or camera capable of sending a photo, as images of buildings, street signs, or other landmarks can surely be used to identify a location.⁹

9 The government also points out that the NIT was deployed from a computer in the Eastern District of Virginia—which, it says, is the equivalent of a tracking device being "installed within the district." But a GPS tracker that is physically attached to an item within the territorial confines of a particular district is clearly "install[ed] within" that district. By contrast, the NIT software, although *deployed and activated* from a government computer in the Eastern District of Virginia, was not "installed within" that district—it was installed on suspects' computers outside of the district.

We hold that the NIT is not a "tracking device" within the meaning of Federal Rule of Criminal Procedure 41(b), and we reject the government's post hoc attempts to classify it as such. Because the NIT warrant was not authorized by any of Rule 41(b)'s applicable subsections, the warrant violated the Rule.

*1287 2

[5] So, what effect? While constitutional violations may merit suppression—more on

that later—mere “technical noncompliance” with a procedural rule results in the exclusion of evidence only when (1) “there was ‘prejudice’ in the sense that the search might not have occurred or would not have been so abrasive if the rule had been followed,” or (2) “there is evidence of intentional and deliberate disregard of a provision in the Rule.” *United States v. Williams*, 871 F.3d 1197, 1203 (11th Cir. 2017) (citation omitted).

Which do we have here—a constitutional violation or just a technical one? The government says that the violation in this case was merely technical because Rule 41(b) is just a venue provision—it has nothing to do with a magistrate's power or jurisdiction. The government points out, for instance, that as of 2016, Rule 41(b) is no longer titled “Authority to Issue a Warrant,” but rather “Venue for a Warrant Application.” *See* Fed. R. Crim. P. 41(b). And, the argument goes, if Rule 41(b) is an ordinary venue provision, a breach of its provisions would not rise to the level of a constitutional violation.

[6] Fair enough. As we've recently been at pains to emphasize—following the Supreme Court's lead—not every mandatory proclamation or prohibition creates a jurisdictional bar, and we are loath to “jurisdictionalize” issues unnecessarily. *See, e.g., Orion Marine Constr., Inc. v. Carroll*, 918 F.3d 1323, 1328–29 (11th Cir. 2019); *Sec'y, U.S. Dep't of Labor v. Preston*, 873 F.3d 877, 881–82 (11th Cir. 2017). Here, though, jurisdiction is squarely in play: While Rule 41(b) itself may address only venue, the statute *behind* the rule—the Federal Magistrates Act, 28 U.S.C. § 636—imposes clear jurisdictional

limits on a magistrate judge's power. Section 636(a) states that magistrate judges “shall have within [their] district[s]” the “powers ... conferred ... by law or by the *Rules of Criminal Procedure*.” 28 U.S.C. § 636(a)(1) (emphasis added). Because no one contends that any law or Rule *other* than Rule 41(b) gave the magistrate judge the authority to issue the NIT warrant in this case, when the magistrate issued the warrant *outside* of Rule 41(b)'s ambit, she necessarily transgressed the limits of her jurisdiction.

[7] We aren't breaking any new ground here. As now-Justice Gorsuch explained during his tenure on the Tenth Circuit, § 636(a) “expressly—and exclusively—refers to the territorial scope of a magistrate judge's power to adjudicate” and, further, is “found in Title 28 of the U.S. Code—the same title as the statutes that define a district court's jurisdiction.” *United States v. Krueger*, 809 F.3d 1109, 1122 (10th Cir. 2015) (Gorsuch, J., concurring). Or, as the Ninth Circuit put it, “federal magistrates are creatures of [§ 636(a)], and so is their jurisdiction.” *N.L.R.B. v. A-Plus Roofing, Inc.*, 39 F.3d 1410, 1415 (9th Cir. 1994); *see also United States v. Hazlewood*, 526 F.3d 862, 864 (5th Cir. 2008) (“In the Federal Magistrates Act, 28 U.S.C. § 636, Congress conferred jurisdiction to federal magistrate[]judge[s].”). Thus, as § 636(a) is the sole source of a magistrate judge's warrant authority, a warrant issued in defiance of its jurisdictional limitations is void—“no warrant at all.” *Krueger*, 809 F.3d at 1118 (Gorsuch, J., concurring).

To be fair, *Krueger* was an easier case—there, a magistrate judge in one district purported

to authorize a search in an adjacent district, in which she clearly had no jurisdiction. The magistrate judge here, by contrast, issued a warrant purporting to allow a search of computers “wherever located”—which, of necessity, included her own district. But the fact that the warrant in its overbreadth happened to sweep in *1288 the Eastern District of Virginia along with the rest of the nation doesn’t cure the fact that it was issued outside of the magistrate judge’s statutorily prescribed (and proscribed) authority in the first place. Indeed, the idea that a warrant may be issued partially from a place of statutorily-granted authority and partially from the great beyond (with one foot inside and one foot outside the lines, so to speak) strikes us as nonsensical. Rather, it seems to us that a magistrate judge must act either pursuant to the authority granted her by statute or not, and thus have the authority either to issue a warrant (*in toto*) or not.¹⁰

10 Nor do we see a persuasive case for “severing” the NIT warrant, so to speak, along jurisdictional lines—such that it might be deemed valid in the Eastern District of Virginia, even if invalid everywhere else, and thus not void *ab initio* and *in toto* (to really pour on the Latin). We are aware, of course, that several courts have held that a warrant can be severed along what might loosely be called subject-matter lines—*i.e.*, with respect to probable cause or particularity. *See, e.g.*, *United States v. George*, 975 F.2d 72, 79 (2d Cir. 1992) (“When a warrant is severed (or redacted) the constitutionally infirm portion—usually for lack of particularity or probable cause—is separated from the remainder and evidence seized pursuant to that portion is suppressed; evidence seized under the valid portion may be admitted.”). But the flaws in the two situations, it seems to us, are fundamentally different. Subject-matter severance addresses an error made by a properly empowered official; the error that plagues the NIT warrant is more fundamental—it implicates the magistrate judge’s power to act in the first instance.

Because the NIT warrant was void at issuance, the ensuing search was effectively warrantless

and therefore—because no party contends that an exception to the presumptive warrant requirement applies here—violative of the Fourth Amendment. *Accord United States v. Werdene*, 883 F.3d 204, 214 (3d Cir.), *cert. denied*, — U.S. —, 139 S. Ct. 260, 202 L.Ed.2d 174 (2018); *United States v. Horton*, 863 F.3d 1041, 1050 (8th Cir. 2017), *cert. denied*, — U.S. —, 138 S. Ct. 1440, 200 L.Ed.2d 721 (2018); *United States v. Henderson*, 906 F.3d 1109, 1116 (9th Cir. 2018), *cert. denied*, — U.S. —, 139 S. Ct. 2033, 204 L.Ed.2d 232 (2019).¹¹

11 The government also contends—in nearly identical terms in both cases—that “[b]ecause the search of Taylor’s [and Smith’s] computer[s] would have been valid if a magistrate judge in the Northern District of Alabama had signed the NIT Warrant, any Rule 41(b) violation did not cause [them] prejudice” and suppression is not necessary. Br. of Appellee at 34 (emphasis added) (Taylor); *see also* Br. of Appellee at 29 (Smith). “Taylor [and Smith] suffered no more of an intrusion of [their] privacy,” the government contends, “than [they] would have if the FBI had searched [their] computer[s] under a valid warrant.” Br. of Appellee at 31 (Taylor); *see also* Br. of Appellee at 28 (Smith). No. Had the magistrate judge in the Eastern District of Virginia acted within her jurisdiction, the warrant could not have extended to Alabama and the FBI would not have identified Taylor or Smith, nor would it have had probable cause to apply for a second warrant to search their homes.

B

So the search carried out under the NIT warrant violated not just Rule 41 but also the Fourth Amendment. But again: What effect? At last we come to the question at the heart of the remedy that Taylor and Smith seek. Can the good-faith exception to the exclusionary rule apply in a situation like this, where officers rely on a warrant that is later determined to have been void *ab initio*? And more specifically, does

the good-faith exception apply in the particular circumstances of this case?

1

[8] The “exclusionary rule”—which operates to bar the admission of evidence obtained in violation of the Fourth Amendment—appears nowhere in the Constitution’s *1289 text. It is, the Supreme Court has said, not “a personal constitutional right,” but rather a “judicially created” remedy, whose purpose is to “deter future Fourth Amendment violations” and “compel respect for the constitutional guaranty.” *Davis v. United States*, 564 U.S. 229, 236–37, 238, 131 S.Ct. 2419, 180 L.Ed.2d 285 (2011) (citation omitted). This remedy, however, doesn’t follow automatically; society must swallow the “bitter pill” of suppression when necessary, *id.* at 238, 131 S.Ct. 2419, but only when the “benefit” of exclusion outweighs its “substantial social costs,” *Illinois v. Krull*, 480 U.S. 340, 352–53, 107 S.Ct. 1160, 94 L.Ed.2d 364 (1987). The dual pillars of the exclusion decision, the Supreme Court recently emphasized, are deterrence and culpability: “Police practices trigger the harsh sanction of exclusion only when they are deliberate enough to yield ‘meaningfu[]’ deterrence, and culpable enough to be ‘worth the price paid by the justice system.’” *Davis*, 564 U.S. at 240, 131 S.Ct. 2419 (alteration in original) (quoting *Herring v. United States*, 555 U.S. 135, 144, 129 S.Ct. 695, 172 L.Ed.2d 496 (2009)); *see also id.* (suppression not warranted because officer did not act “deliberately, recklessly, or with gross negligence”).

The good-faith exception is a “judicially created exception to this judicially created rule.” *Id.* at 248, 131 S.Ct. 2419.¹² In *United States v. Leon*, the Supreme Court explained that exclusion is not warranted when police act “in objectively reasonable reliance” on a subsequently invalidated search warrant—in other words, when they act in “good faith.” 468 U.S. 897, 922, 104 S.Ct. 3405, 82 L.Ed.2d 677 (1984). “[O]ur good-faith inquiry is confined to the objectively ascertainable question whether a reasonably well trained officer would have known that the search was illegal’ in light of ‘all of the circumstances.’” *Herring*, 555 U.S. at 145, 129 S.Ct. 695 (quoting *Leon*, 468 U.S. at 922 n.23, 104 S.Ct. 3405).

12 Although “good faith” is most often framed as an “exception” to the exclusionary rule, it is probably more accurately described as a reason for declining to *invoke* the exclusionary rule in the first place. *Compare, e.g., Davis*, 564 U.S. at 238, 131 S.Ct. 2419 (“The Court has over time *applied this ‘good-faith’ exception across a range of cases.*” (emphasis added)), *with, e.g., id.* at 239, 131 S.Ct. 2419 (“The question in this case is *whether to apply the exclusionary rule when the police conduct a search in objectively reasonable reliance on binding judicial precedent.*” (emphasis added)), *and Herring v. United States*, 555 U.S. 135, 139, 129 S.Ct. 695, 172 L.Ed.2d 496 (2009) (characterizing the question presented as “*whether the exclusionary rule should be applied*” when officers act in reasonable reliance on a negligent police database error (emphasis added)).

To date, the Supreme Court has applied the good-faith exception when, among other things, officers reasonably relied on a warrant that was later deemed invalid for lack of probable cause, *see Leon*, 468 U.S. at 922, 104 S.Ct. 3405, on a warrant that erroneously appeared outstanding due to an error in a court or police database, *see Arizona v. Evans*, 514 U.S. 1, 4, 115 S.Ct. 1185, 131 L.Ed.2d

34 (1995); *Herring*, 555 U.S. at 137, 129 S.Ct. 695, on a statute that was later deemed unconstitutional, *see Krull*, 480 U.S. at 352–53, 107 S.Ct. 1160, and on a judicial decision that was later overruled, *Davis*, 564 U.S. at 232, 131 S.Ct. 2419. The Supreme Court hasn't, however, directly addressed the particular question before us today—whether the good-faith exception can be applied to a search conducted in reliance on a warrant that was void from the outset.

Taylor and Smith insist that the void-voidable distinction is critical. Reliance on a *voidable* warrant—issued in error, perhaps, but by a judge with jurisdiction to act—is different, they contend, from reliance ***1290** on a warrant that was *void* from the get-go. Because the latter is—as we've agreed—“no warrant at all,” Taylor and Smith insist that reliance on it can't provide an exception to the exclusionary rule. This is so, they continue, because the “heart of the good faith exception is [] officers' reliance on a neutral third party's actions within the scope of the third party's authority.” Br. of Appellant Taylor at 29; Br. of Appellant Smith at 27.

[9] There is a certain logic to this argument: In fact, there was never a valid warrant, so the search was illegal all along. What matters for exclusionary-rule and good-faith purposes, though, isn't the validity of the warrant “in fact,” but rather the validity of the warrant as it would have reasonably appeared to an officer tasked with executing it. The appropriate question, therefore, is whether, from the perspective of a reasonable officer, there is any difference—for deterrence or culpability purposes—between the warrant

issued in this case and the warrants issued in *Leon*, *Evans*, and *Herring*?

[10] [11] We don't think so. The exclusionary rule is concerned with deterring *officer* misconduct and punishing *officer* culpability—not with setting judges straight. *See Herring*, 555 U.S. at 142, 129 S.Ct. 695 (observing that the “exclusionary rule was crafted to curb police rather than judicial misconduct”). Viewed from an officer's perspective, relying on a facially valid warrant that, as it turns out, was void from the beginning is no different from relying on a facially valid warrant that, for instance, was later deemed improper based on a dubious determination of probable cause, *see Leon*, 468 U.S. at 925–26, 104 S.Ct. 3405, or appeared outstanding thanks only to a database error, *see Herring*, 555 U.S. at 136–37, 129 S.Ct. 695. So long as an officer could reasonably have thought that the warrant was valid, the specific nature of the warrant's invalidity is immaterial.

In so holding, we join every court of appeals to consider the question, all of which have agreed that the good-faith exception applies—and the exclusionary rule doesn't—in a situation like this. *See United States v. Eldred*, No. 17-3367-cv, 933 F.3d 110, 121, 2019 WL 3540415, at *8 (2d Cir. Aug. 5, 2019); *United States v. Ganzer*, 922 F.3d 579, 587–90 (5th Cir. 2019), *petition for cert. filed*, No. 19-5339 (2019); *United States v. Moorehead*, 912 F.3d 963, 971 (6th Cir.), *petition for cert. filed*, No. 19-5444 (2019); *Werdene*, 883 F.3d at 216–17; *United States v. McLamb*, 880 F.3d 685, 691 (4th Cir.), *cert. denied*, — U.S. —, 139 S. Ct. 156, 202 L.Ed.2d 95 (2018); *United States v. Kienast*, 907 F.3d 522, 527–28 (7th

Cir. 2018), *cert. denied*, — U.S. —, 139 S. Ct. 1639, 203 L.Ed.2d 902 (2019); *Henderson*, 906 F.3d at 1118; *United States v. Levin*, 874 F.3d 316, 323–24 (1st Cir. 2017); *Horton*, 863 F.3d at 1050; *United States v. Workman*, 863 F.3d 1313, 1319 (10th Cir. 2017), *cert. denied*, — U.S. —, 138 S. Ct. 1546, 200 L.Ed.2d 748 (2018). As the Sixth Circuit summarized, “[t]he good-faith exception is not concerned with whether a valid warrant exists, but instead asks whether a reasonably well-trained officer would have known that a search was illegal.” *Moorehead*, 912 F.3d at 968. The Third Circuit similarly explained the “fundamental flaw” in the argument like the one that Taylor and Smith make here: “[I]t does not appreciate the distinction between the validity of the warrant and the deterrence rationale of the exclusionary rule and the good-faith exception.” *Werdene*, 883 F.3d at 216.

[12] In light of the exclusionary rule's purpose of deterring culpable police misconduct, there is no reason to distinguish between good-faith reliance on a void warrant and any other warrant later deemed defective. We thus hold that the good-faith exception to the exclusionary rule can apply *1291 when police officers reasonably rely on a warrant later determined to have been void *ab initio*.

2

[13] Finally, then, to this particular case: Having determined that the good-faith exception *can* apply in situations involving void warrants, the question remains whether the exception *should* apply to the cases before us today. In *Leon*, the Supreme Court laid

out several situations in which the good-faith exception should *not* apply: (1) where the magistrate judge was misled by information in a warrant application that the applicant knew was false or would have known was false but for a reckless disregard of the truth; (2) where the magistrate “wholly abandoned” her judicial role; (3) where the affidavit supporting the warrant application was “so lacking in indicia of probable cause as to render official belief in its existence entirely unreasonable”; or (4) where the warrant was “so facially deficient” that officers couldn't have reasonably presumed it to be valid. 468 U.S. at 923, 104 S.Ct. 3405.

Here, Taylor and Smith contend—and the dissent agrees—that the magistrate was, within the meaning of *Leon*, “misled by information” in the application that the FBI officers knew, or should have known, to be false. The face of the application, they say, prominently represented that the “property to be searched” was “located in the Eastern District of Virginia” and, more specifically, asserted (in the incorporated Attachment A) that the Playpen server was “located at a government facility in the Eastern District of Virginia.” Br. of Appellant Taylor at 42; Br. of Appellant Smith at 41. It wasn't until page 29 of Agent Macfarlane's 31-page affidavit, Taylor and Smith say, that the application finally acknowledged that the NIT would search computers “wherever located.” Br. of Appellant Taylor at 42; Br. of Appellant Smith at 41. This approach, they contend, shows that the FBI intentionally misled the magistrate judge and belies any claim to good-faith reliance.

In responding that the good-faith exception should apply, the government begins with the

contention that there is no deterrent benefit to exclusion here because Rule 41 was recently amended to add a new subsection to cover remote-access warrants to search electronic storage both within and outside of a magistrate judge's district—*i.e.*, precisely the sort of search at issue in this case.¹³ But that argument cuts both ways. On the one hand, it indicates that we needn't necessarily deter this particular *type* of search on a going-forward basis. On the other, the recent amendment of Rule 41 to *allow* remote-access search warrants underscores that Rule 41(b) did not permit these warrants at the time the FBI deployed the NIT.

13 Rule 41(b)(6) now states in relevant part: “[A] magistrate judge with authority in any district where activities related to a crime may have occurred has authority to issue a warrant to use remote access to search electronic storage media and to seize or copy electronically stored information located within or outside that district if ... the district where the media or information is located has been concealed through technological means.”

Even so, we find no indication that the FBI officers sought to deceive the magistrate judge or otherwise acted culpably or in a way that necessitates deterrence—and certainly no indication of the sort of “deliberate[], reckless[], or ... gross[ly] negligenc[er]” conduct that the Supreme Court has recently highlighted as the focus of the exclusionary-rule/good-faith inquiry. *Davis*, 564 U.S. at 240, 131 S.Ct. 2419; *see also Herring*, 555 U.S. at 144, 129 S.Ct. 695; *Krull*, 480 U.S. at 352–53, 107 S.Ct. 1160. While the NIT-warrant application *1292 was perhaps not a model of clarity, it seems clear to us that the officers did the best they could with what they had—a general application form that was perhaps ill-suited to the complex new technology at issue.¹⁴ It is true, as Taylor and Smith emphasize, that

the face of the pre-printed warrant application stated that “the property to be searched” was “located in the Eastern District of Virginia.” It is also true that Attachment A, which described the target property, reported that the Playpen server was “located at a government facility in the Eastern District of Virginia.” That being said, there were indications that the FBI was seeking more broad-ranging search authority. As already noted, the case caption referred generally to “COMPUTERS THAT ACCESS” Playpen. Somewhat more clearly, Attachment A explained that the NIT would be “deployed on” the Playpen-operating server located in the Eastern District of Virginia as a means of “obtaining information” from “activating computers,” defined as computers “of *any user or administrator* who logs into” the Playpen site. Finally, and most importantly—if a bit more obscurely than might have been ideal—Agent Macfarlane’s affidavit stated that “the NIT may cause an activating computer—*wherever located*—to send” identifying information to the FBI.

14 In concluding that the officers intended to “hoodwink” the magistrate judge, the dissent relies heavily on DOJ’s proposals to amend Rule 41 to better address “remote searches for ‘crimes involving Internet anonymizing technology.’” Dissenting Op. at 1296, 1300, (quoting Letter from Mythili Raman, Acting Assistant Att'y Gen., to Hon. Reena Raggi, Chair, Advisory Comm. on the Crim. Rules (Sept. 18, 2013)). Even setting aside the dubious proposition that knowledge of communications between the “highest ranking officials in the Criminal Division” and Federal Rules Advisory Committee Chairs can be imputed downstream to line-level law-enforcement officers, *see* Dissenting Op. at 1296–97, these communications in no way demonstrate that the warrant application here was made in bad faith. We see no benefit to deterring officers from attempting to describe cutting-edge countermeasures using the forms and resources at their disposal while department heads simultaneously seek to amend the rules to better address advancing technology. *Cf. Eldred*, 933 F.3d at 119–20,

2019 WL 3540415, at *7; *McLamb*, 880 F.3d at 691. The dissent's argument to the contrary is based entirely on speculation about what different government actors could have known.

So, was the warrant application here perfect? Not close. But does it evidence "chicanery," "duplicity," and "gamesmanship"? See Dissenting Op. at 1300, 1304. It doesn't. We conclude that, in their totality, the application and affidavit sufficiently disclosed the bounds of the intended search. In light of the square-peg/round-hole issue that they faced, the officers did what we would hope and expect—they fully disclosed the mechanics of the intended search, left the constitutional call to the magistrate judge, and acted in reasonable reliance on the resulting warrant.¹⁵ As already explained, the "exclusionary rule *1293 was crafted to curb police rather than judicial misconduct." *Herring*, 555 U.S. at 142, 129 S.Ct. 695. Because we don't find the officers' behavior here culpable and see no deterrent value in suppressing the evidence found on Taylor's and Smith's computers, we find that the good-faith exception to the exclusionary rule applies in this case.

15 To the extent that the dissent suggests that officers seeking a search warrant have an affirmative obligation to "flag" potential legal issues in their application, we must respectfully disagree. See, e.g., Dissenting Op. at 1297 (stating that the officers here "should have known ... that the magistrate's jurisdiction to issue the warrant was in doubt" and that they "had an obligation to flag [this] for the magistrate"). Law-enforcement officers have a duty to lay out facts—including jurisdictional facts—for reviewing courts, not to anticipate and articulate possible legal hurdles. The warrant application here, particularly when read in conjunction with Agent Macfarlane's detailed 30-plus-page affidavit, adequately—if imperfectly—lays out the facts. See, e.g., *Levin*, 874 F.3d at 323 (determining that there was "no benefit in deterring" the government from "turn[ing] to the courts for guidance" when faced with

a novel legal question such as whether the NIT warrant could properly issue).

AFFIRMED.

TJOFLAT, Circuit Judge, concurring in part and dissenting in part:¹

1 I concur in all of the majority opinion except for part II.B.2.

As the majority points out, we are far from the first court to consider whether the NIT warrant passes constitutional muster. I agree with the majority that it does not. The majority also adds its voice to the unanimous chorus of ten other courts of appeals who have found that, regardless of any constitutional infirmity, the exclusionary rule should not apply. On this point, I must respectfully dissent.

The evidence obtained as a result of the NIT warrant should be suppressed because the law enforcement officials who sought the warrant are not entitled to the good faith exception. The officials knew or should have known that there was an issue with jurisdiction and that the search would occur outside the district. Yet, the officials told the magistrate repeatedly that the search would take place in the district.² If the law condones this conduct, it makes a mockery of the warrant process.

2 The only reference to a search that potentially would occur outside the district comes buried on page 29 of the 31-page affidavit after repeated representations by the officers that the search would take place within the district. See *infra* part III.

I.

First, some background on the exclusionary rule. The purpose of the exclusionary rule “is to deter future Fourth Amendment violations.” *Davis v. United States*, 564 U.S. 229, 236–37, 131 S.Ct. 2419, 180 L.Ed.2d 285 (2011). But the point is “to deter police misconduct rather than to punish the errors of judges and magistrates.” *United States v. Leon*, 468 U.S. 897, 916, 104 S.Ct. 3405, 82 L.Ed.2d 677 (1984).

Courts look to all the officials involved in the warrant process, including those who sought the warrant in the first place. *Id.* at 923 n.24, 104 S.Ct. 3405 (“It is necessary to consider the objective reasonableness, not only of the officers who eventually executed a warrant, but also of the officers who originally obtained it or who provided information material to the probable-cause determination.”). In this case, the officials who sought the warrant include, at least, the FBI agent who submitted the warrant application and the Assistant U.S. Attorney who reviewed it.

Whether to invoke the exclusionary rule turns largely on “the flagrancy of the police misconduct.” *See id.* at 911, 104 S.Ct. 3405; *see also Herring v. United States*, 555 U.S. 135, 143, 129 S.Ct. 695, 172 L.Ed.2d 496 (2009). Courts ask whether law enforcement officials knew or should have known that their conduct was unconstitutional. *See Herring*, 555 U.S. at 143, 129 S.Ct. 695 (citing *Illinois v. Krull*, 480 U.S. 340, 348–49, 107 S.Ct. 1160, 94 L.Ed.2d 364 (1987)).

Their conduct is evaluated under an objective reasonableness standard: “whether a reasonably well trained officer would

have known that the search was illegal in light of all of the circumstances,” including this “particular officer's knowledge and experience.” *Id.* at 145, 129 S.Ct. 695 (quotation omitted). This standard “requires officers to have a reasonable knowledge of *1294 what the law prohibits.” *Leon*, 468 U.S. at 919 n.20, 104 S.Ct. 3405.

If, under this standard, courts determine that law enforcement's conduct was deliberate, reckless, or grossly negligent, exclusion is likely warranted. *Davis*, 564 U.S. at 238, 131 S.Ct. 2419. Alternatively, if law enforcement reasonably relied on a warrant, *Leon*, 468 U.S. at 922, 104 S.Ct. 3405, or on binding judicial precedent, *Davis*, 564 U.S. at 249–50, 131 S.Ct. 2419, exclusion is not warranted. This is the so-called good faith exception, and it makes sense: if law enforcement acted in objectively reasonable reliance, the conduct was not culpable—i.e., it wasn't deliberate, reckless, or grossly negligent—so there is no misconduct to deter.

That does not mean that whenever law enforcement obtains a warrant, the good faith exception applies. For example, if law enforcement officials misled the magistrate in the warrant application with material information that they knew or should have known was false, they are not entitled to good faith. *Leon*, 468 U.S. at 923, 104 S.Ct. 3405 (“Suppression therefore remains an appropriate remedy if the magistrate or judge in issuing a warrant was misled by information in an affidavit that the affiant knew was false or would have known was false except for his reckless disregard of the truth.”). That is what happened here.

There is no question that law enforcement made a false representation in the NIT warrant application. On the application, the FBI agent told the magistrate, in no uncertain terms, that the property to be searched would be “located in the Eastern District of Virginia.” Of course, it is “undisputed” that the search did not take place within the district. Maj. Op. at 1285. Thus, the issue is whether the officials seeking the warrant made this false representation deliberately or recklessly. This issue turns on what a reasonable officer standing in the shoes of the officials in this case knew or should have known. For this determination, we must consider the totality of the circumstances.

II.

A.

When the totality of the circumstances is considered, I have little doubt that a reasonable FBI agent and federal prosecutor should have known there was a jurisdictional problem. *See United States v. Martin*, 297 F.3d 1308, 1318 (11th Cir. 2002) (holding that courts “can look beyond the four corners of the affidavit and search warrant to determine whether” the good faith exception applies). Specifically, the Justice Department’s efforts to change the Federal Rules of Criminal Procedure in the wake of a similar failed FBI warrant application in Texas should have made it clear that jurisdiction would likely be an issue with the NIT warrant.

In 2013—two years before the warrant application in this case—the FBI applied to a magistrate judge in Texas for a strikingly similar warrant. *See In re Warrant to Search a Target Comput. at Premises Unknown*, 958 F. Supp. 2d 753, 755 (S.D. Tex. 2013). The FBI was attempting to identify “[u]nknown persons” who committed bank fraud and identity theft using “an unknown computer at an unknown location.” *Id.* The warrant sought authorization to “surreptitiously install” software on the target computer that would extract certain information and send it back to “FBI agents within this district.” *Id.*

In a published decision, the magistrate denied the warrant application because the search of the target computer would not take place within the district. *See id.* at 756–58. The court explained its decision: “Since the current location of the Target Computer is unknown, it necessarily follows that the current location of the information *1295 on the Target Computer is also unknown. This means that the Government’s application cannot satisfy the territorial limits of Rule 41(b)(1).”³ *Id.* at 757. The same logic applies to the NIT warrant.

3 The magistrate also found that the warrant did not satisfy any of the other territorial limits of Rule 41(b), though it does not appear that the FBI claimed to satisfy any provision other than Rule 41(b)(1). *See id.* at 756–58.

Notably, unlike this case, the FBI addressed the jurisdictional issue in its supporting affidavit to the Texas magistrate. *See id.* at 756. The FBI “readily admit[ted] that the current location of the Target Computer [was] unknown,” but nevertheless maintained that the search would comply with Rule 41(b)(1) “‘because information obtained from the Target Computer will first be examined in this judicial district.’”

Id. (quoting the FBI's affidavit). The magistrate rightly rejected the FBI's argument, pointing out that it would "stretch the territorial limits of Rule 41(b)(1)" to absurd lengths: "By the Government's logic, a Rule 41 warrant would permit FBI agents to roam the world in search of a container of contraband, so long as the container is not opened until the agents haul it off to the issuing district." *Id.* at 757.

The point is that there was federal precedent addressing the precise jurisdictional issue raised by the NIT warrant. Thus, it is not true, as several of our sister circuits have suggested, that the jurisdictional issue was a "novel question ... for which there was no precedent on point." *United States v. Levin*, 874 F.3d 316, 323 (1st Cir. 2017); *see also United States v. McLamb*, 880 F.3d 685, 691 (4th Cir. 2018) (stating that officials seeking the NIT warrant were "[w]ithout judicial precedent for reference"), *cert. denied*, — U.S. —, 139 S. Ct. 156, 202 L.Ed.2d 95 (2018).

Since the FBI sought the warrant in the Texas case, it seems to fair to say that a reasonable FBI agent seeking a similar warrant should have been aware of the issues presented by remote searches of unknown sources. Granted, the FBI is a large organization, but the universe of people involved in these cutting-edge search warrants designed to uncover anonymous computer users is surely much smaller. Plus, we know that "the FBI consulted with attorneys at the ... FBI's Remote Operations Unit" before applying for the warrant. *McLamb*, 880 F.3d at 689. Additionally, a reasonable federal prosecutor who did any research into the legal issues raised by the NIT warrant should have come across the Texas case, so the Assistant

U.S. Attorney who reviewed the warrant should have known about it. Thus, because of the Texas case, the officials applying for the NIT warrant should have been aware that there was a potential problem with the magistrate's jurisdiction to issue the warrant.

Of course, a magistrate's decision in Texas, even in a published opinion, is not binding precedent for a warrant application in Virginia. I do not suggest that the Texas case foreclosed officials from applying for the NIT warrant. Prosecutors and the FBI could honestly "believe that reasonable magistrate judges could differ on the legality of the NIT." *United States v. Werdene*, 883 F.3d 204, 218 n.12 (3d Cir. 2018), *cert. denied*, — U.S. —, 139 S. Ct. 260, 202 L.Ed.2d 174 (2018). For that reason, it would have been perfectly acceptable for these officials to have applied for the NIT warrant and explained to the magistrate why they believed there was jurisdiction. But it was unacceptable to ignore the jurisdictional issue altogether—to repeatedly assert that the search was within the district and fail to mention to the magistrate the problems that led another *1296 judge to deny a substantially similar warrant.⁴

4 The *Werdene* court suggested that the Texas warrant is not analogous because it was "significantly more invasive" than the NIT warrant. *Werdene*, 883 F.3d at 218 n.12. The more invasive aspects of the Texas warrant are why the magistrate in that case found problems with the particularity requirement and the constitutional standards for video surveillance. *See In re Warrant*, 958 F. Supp. 2d at 758–61. Those aspects had nothing to do with the jurisdictional analysis. *See id.* at 756–58. The jurisdictional analysis applies equally here.

Moreover, the Texas case was not an isolated occurrence. It had far-reaching consequences that make it almost unthinkable that the

officials seeking the NIT warrant were unaware of the jurisdictional problem.

Less than six months after the Texas decision, the Justice Department sent a letter to the Advisory Committee on the Criminal Rules urging it to amend the rules to allow for warrants like the one sought in the Texas case. Letter from Mythili Raman, Acting Assistant Att'y Gen., to Hon. Reena Raggi, Chair, Advisory Comm. on the Crim. Rules (Sept. 18, 2013). Specifically, the Justice Department proposed amending "Rule 41 of the Federal Rules of Criminal Procedure to update the provisions relating to the territorial limits for searches of electronic storage media." *Id.* The amendment would permit magistrate judges to issue warrants for remote searches for "crimes involving Internet anonymizing technologies." *Id.* The letter cited the Texas case to justify the rule change. *Id.*

While the committee considered the proposed amendment, the Justice Department continued to advocate for the change and submitted several memorandums defending the amendment. In one memo, dated about two months before the NIT warrant, the Justice Department explained as an example that the amendment would "ensure that a court is available" to issue warrants "investigating members of a child pornography group" using "the Tor network[] to hide from law enforcement." Memorandum from David Bitkower, Deputy Assistant Att'y Gen., to Hon. Reena Raggi, Chair, Advisory Comm. on the Crim. Rules (Dec. 22, 2014). These warrants would authorize "the use of the NIT" to "identify the location of the individuals accessing the site." *Id.* Sound familiar?

Ultimately, the committee recommended adopting the amendment, which became effective on December 1, 2016. Memorandum from Hon. Reena Raggi, Chair, Advisory Comm. on Crim. Rules, to Hon. Jeffrey S. Sutton, Chair, Comm. on Rules of Practice and Proc. (May 6, 2015). The Justice Department's extensive involvement in the rule change—including the two highest ranking officials in the Criminal Division—makes it hard to accept that none of the Justice Department officials involved in the NIT warrant was aware of the jurisdictional issue.⁵

⁵ While the majority finds dubious the proposition that this knowledge could be imputed to "downstream line-level law enforcement officers" and finds no deterrent effect in holding such officers responsible for misleading magistrates regarding the jurisdictional defects in the warrant application, Maj. Op. at — n.14, I disagree. I find it hard to believe that Assistant U.S. Attorneys are not kept abreast of existing jurisdictional issues and the efforts their office is taking to solve those issues. I also find it hard to believe that the "downstream line-level" officers—who are doubtlessly experts in these technologies and techniques—were unaware of the misleading nature of their statements of fact here. They repeatedly suggested in the affidavit that a search would take place within a particular district when the true goal of the warrant was to search any relevant computers, regardless of their location. Therefore, contrary to the majority's assertion that this argument is "based entirely on speculation about what different government actors could have known," *id.*, I believe that the officers here *should have* known that they were acting improperly, which triggers the exclusionary rule. *See Herring*, 555 U.S. at 143, 129 S.Ct. 695. The burden should not rest on a magistrate to comb through a deceptively crafted and contradictory affidavit to detect the true nature of the warrant request.

The Justice Department had a number of connections to the NIT warrant. First of all, there is the Assistant U.S. Attorney *1297 who reviewed the warrant application. The FBI also "consulted with attorneys

at the [Department's] Child Exploitation and Obscenity Section" before applying for the warrant. *McLamb*, 880 F.3d at 689. Significantly, as part of the same investigation of Playpen, the FBI and the Justice Department applied for a wiretap order on the same day that they applied for the NIT warrant. The wiretap order was to monitor the private message and chat activity on Playpen. The affidavit supporting the wiretap application included a thorough discussion of the NIT warrant. The same Assistant U.S. Attorney who reviewed the NIT warrant applied for the wiretap order, along with a trial attorney for the Department's Child Exploitation and Obscenity Section. And the Deputy Assistant Attorney General for the Criminal Division approved the wiretap application. Between the Texas case and the rule change, surely at least one of these officials should have known about the jurisdictional issue.

The Texas case and the DOJ-requested rule change show that a reasonable officer in the shoes of the law enforcement officials seeking the warrant should have known that there was a jurisdictional issue. To be clear, I'm not suggesting that the officials should have known that the magistrate did not have jurisdiction to issue the warrant. I'm suggesting that because of these circumstances, they should have known that the magistrate's jurisdiction to issue the warrant was in doubt—that there was a potential problem with jurisdiction. And if they knew that there would be an issue with jurisdiction, they had an obligation to flag it for the magistrate.⁶

⁶ The majority construes this argument to place "an affirmative obligation to 'flag' potential legal issues in their [warrant] application." Maj. Op. at — n.15.

The majority disagrees with this approach, instead concluding that "[l]aw-enforcement officers have a duty to lay out facts—including jurisdictional facts—for reviewing courts, not to anticipate and articulate possible legal hurdles," and finding that the warrant application here "adequately—if imperfectly—lay[ed] out the facts." *Id.* However, the majority misunderstands the obligations I propose. I suggest merely that, when the officers and lawyers involved in presenting the affidavit have reason to believe that they are requesting a warrant that is improper, they not conceal precedent which is entitled to persuasive authority. Further, and more importantly, I disagree with the majority's characterization of the application here as "imperfect" but "adequate." The application had the tendency to deceive the magistrate by presenting repeated assertions of misleading facts, while burying the true goal at the back of the affidavit. I propose that law enforcement has the obligation, at minimum, to avoid such action.

B.

It is also clear that the officials seeking the warrant knew that the search would not be contained to the Eastern District of Virginia. The FBI's investigation revealed that Playpen had over 150,000 members and that the site received over 11,000 unique users every week. It would be absurd to believe that all of the users' computers would be in the Eastern District of Virginia. A reasonable official would have believed, correctly as it turns out, that the users' computers would be found in districts all over the country.⁷

⁷ The only connection to the Eastern District of Virginia was the server that hosted the site. But the server was originally in North Carolina; the FBI moved the server to Virginia. And the site's administrator lived in Florida. There truly was no reason to think the site had a special connection to the Eastern District of Virginia.

*1298 Granted, the NIT technology is complex, and the uninitiated could be forgiven for not understanding exactly what is being searched and where that search would take

place. But no one could credibly argue that the officials who developed the technology and who were responsible for deploying it were unclear about how it worked. The FBI knew the search was of computers, and that those computers could be anywhere.

III.

Having established that the officials seeking the warrant knew or should have known that there was a potentially fatal jurisdiction problem with the warrant, let's take a closer look at how they presented this issue to the magistrate.⁸

8 A party does not need to provide direct evidence that the false representation was made deliberately or recklessly; instead, the court can infer from the warrant application itself that a misrepresentation was deliberate or reckless if it would be clear to a reasonable official. *Cf. Madiwale v. Savaiko*, 117 F.3d 1321, 1326 (11th Cir. 1997) (“A party need not show by direct evidence that the affiant makes an omission recklessly. Rather, it is possible that when the facts omitted from the affidavit are clearly critical to a finding of probable cause the fact of recklessness may be inferred from proof of the omission itself.”) (quotation omitted).

The caption to the warrant application states that the search will be of “computers that access” the Playpen website. Beneath the caption, the FBI agent seeking the warrant attests, under penalty of perjury, that he has “reason to believe” the property to be searched is “located in the Eastern District of Virginia.”

The application directs the reader to “Attachment A” for a description of the property to be searched. Attachment A, titled “Place to be Searched,” explains that the “warrant authorizes the use of a network investigative technique (‘NIT’) to be deployed

on the computer server described below” to obtain certain information “from the activating computers described below.” Below, it explains that the “computer server is the server operating” the Playpen website, “which will be located at a government facility in the Eastern District of Virginia.” And it explains that the “activating computers are those of any user or administrator who logs into the [Playpen] by entering a username and password.”

Thus, on the face of the warrant application, officials informed the magistrate that the search would be in the Eastern District of Virginia. The application then seemingly supported this assertion by noting that the server is in the district—the only geographic reference in the application.

True, an especially discerning magistrate might have gathered that the search is of computers, not of the server, so the location of the server is irrelevant, and the computer of “any user” could be outside the district. But the question is not whether it was possible for the magistrate to detect the error—the exclusionary rule is concerned with police misconduct, not magistrates’ errors. *See Leon*, 468 U.S. at 916, 104 S.Ct. 3405. The question is whether the magistrate was misled, and whether law enforcement officials were responsible for the deception. *See id.* at 923, 104 S.Ct. 3405. Maybe the magistrate should have noticed. But the officials who sought the warrant understood the technology and how the search would work better than anyone, and if anyone should have noticed, it was they.

The affidavit supporting the warrant continues the charade. It mentions repeatedly that the

server is located in the magistrate's district. Here are a few examples:

- “Accordingly, I request authority to use the NIT, which will be deployed ***1299** on the TARGET WEBSITE, *while the TARGET WEBSITE operates in the Eastern District of Virginia*, to investigate any user or administrator who logs into the TARGET WEBSITE by entering a username and password.”
- “Under the NIT authorized by this warrant, *the TARGET WEBSITE, which will be located in Newington, Virginia, in the Eastern District of Virginia*, would augment [the content sent to visitor's computers] with additional computer instructions. When a user's computer successfully downloads those instructions from *the TARGET WEBSITE, located in the Eastern District of Virginia*, the instructions, which comprise the NIT” will cause the user's computer to send certain information to the FBI.
- “During the up to thirty day period that the NIT is deployed on *the TARGET WEBSITE, which will be located in the Eastern District of Virginia*, each time that any user or administrator logs into the TARGET WEBSITE by entering a username and password, this application requests authority for the NIT authorized by this warrant to attempt to cause the user's computer to send the above-described information to *a computer controlled by or known to the government that is located in the Eastern District of Virginia*.”

The repeated emphasis of the server's location is especially suspicious given that the location of the server was completely irrelevant. The search was of users' computers, not of the server.

Why, then, did the affidavit repeatedly mention the server's location? It smacks of desperation, and it appears calculated to lull the magistrate into a false sense of jurisdictional security. I can think of no other reason to include so irrelevant a piece of information so many times.

In contrast, the affidavit is nearly silent on the decisive data point: the location of the computers. It is only on page 29 of 31 that the affidavit finally acknowledges (somewhat explicitly) that “the NIT warrant may cause an activating computer—wherever located—to send to a computer controlled by or known to the government” the information sought. This is the closest law enforcement comes to advising the magistrate that the search will occur outside the district. As a disclosure, it leaves much to be desired. The affidavit mentions this detail once, without any explanation of its impact. It does not say that, therefore, the search might occur outside the Eastern District of Virginia. It forces the magistrate to draw the conclusion. It is a breadcrumb, buried in a dense and complicated affidavit, left for the magistrate to follow.

In other warrant applications, law enforcement officials were not nearly so stingy with information about jurisdiction. For example, in the Texas case, the government confronted the jurisdiction problem and supplied the magistrate with an argument in the affidavit for why it thought there was jurisdiction. *See In re*

Warrant, 958 F. Supp. 2d at 756. Courts should expect nothing less.

Even in the wiretap application—submitted simultaneously with the NIT application by the same Assistant U.S. Attorney—the application included a paragraph detailing the jurisdictional basis for the warrant, even though the jurisdiction for that order was straightforward and uneventful.⁹ Here, in contrast, where there *1300 was a major problem with jurisdiction, any mention of jurisdiction is conspicuously absent. Why would the same attorney include a discussion of jurisdiction in one application, where it was less important, and omit any such discussion from another, where it was more important? It is hard to escape the conclusion that the officials seeking the warrant aimed to conceal the issue.

⁹ Here is what the wiretap application said about jurisdiction: “This Court has territorial jurisdiction to issue the requested order under 18 U.S.C. § 2518(3) because the computer server intercepting all communications and on which the TARGET WEBSITE, including the TARGET FACILITIES, are located will be in Newington, VA, in the Eastern District of Virginia during the period of inspection.”

The comparison with these other examples illustrates why the officials in this case did not do what we “hope and expect” of law enforcement. Maj. Op. at ——. The disclosure in the affidavit was woefully inadequate.

The warrant’s defenders argue that the disclosure on page 29 “cured” the warrant of any ambiguity. *See, e.g., McLamb*, 880 F.3d at 690–91 (“To the extent the form is misleading, [the affidavit] cured any ambiguity by informing the magistrate judge that the NIT would cause activating computers ‘wherever

located’ to transmit data to the FBI.”). First of all, it’s odd to say that the disclosure cured the warrant. The disclosure that the warrant authorized searches of computers “wherever located” is the fatal flaw; it’s the reason the magistrate didn’t have jurisdiction to approve the warrant. How could revealing the fatal flaw cure the warrant?

More accurately, the suggestion is that by eventually and indirectly revealing the warrant’s defect, the officials seeking the warrant absolved themselves of any bad faith. In other words, law enforcement officials cannot be accused of bad faith so long as they technically, no matter how discreetly, disclose the truth somewhere in the warrant application. This sets too low a bar. It essentially gives officials permission to try to hoodwink magistrates: they can make false statements to the court so long as they include enough information to uncover their chicanery. If the magistrate fails to spot the issue, officials can cloak themselves in good faith reliance and execute the warrant without fear of suppression. I refuse to invite such gamesmanship. If law enforcement officials know of a problem with their warrant, they need to be forthcoming about it.

Here’s the other problem with the “cure” argument: If the language in the application might have been enough to show the magistrate that the search would not be in the district, surely it was enough to reveal the same to the officials seeking the warrant. After all, wouldn’t we expect the author to understand his writing better than the reader—especially when the subject concerns an exceedingly complex technology with which the author is familiar

and the reader is not? And once the officials realize the problem, they need to address it, otherwise they are misleading the magistrate.

Furthermore, the argument that the application disclosed enough for the magistrate to discover the defect answers the wrong question. It focuses on whether the magistrate should have spotted the issue. *Cf. United States v. Horton*, 863 F.3d 1041, 1052 (8th Cir. 2017) (“Even if it were misleading to label the place to be searched as the Eastern District of Virginia, a *reasonable reader* would have understood that the search would extend beyond the boundaries of the district because of the thorough explanation provided in the attached affidavit.”) (emphasis added), *cert. denied*, — U.S. —, 138 S. Ct. 1440, 200 L.Ed.2d 721 (2018). But, again, the exclusionary rule is concerned with curbing “police rather than judicial misconduct.” *Herring*, 555 U.S. at 142, 129 S.Ct. 695. Thus, the proper question is, given *1301 what the officials knew or should have known, was it deliberately or recklessly misleading to present the application the way that they did. Put differently, did they consciously disregard a serious risk that the magistrate would think the search would occur in the Eastern District of Virginia? It’s plain to me that they did.

If the officials knew that the search would be of computers outside the district, it was unacceptable to swear that the search would be within the district. If, perhaps, the officials had some other reasonable basis for believing that the search was still within the magistrate’s jurisdiction, they needed to present it to the magistrate. It would be recklessly misleading to submit a warrant application to a magistrate

repeatedly stating the search would be within the district, with one buried caveat, when the officials’ only reason for stating that is some novel theory they declined to share with the magistrate.

Tellingly, at no point in this appeal, nor to our knowledge in any of the other appeals concerning the NIT warrant, has the government defended the warrant on the grounds that the search did in fact occur in the Eastern District of Virginia. How could they? Instead, the government has argued that the NIT search functioned like a tracking device that was installed within the district, and thus satisfied Federal Rule of Criminal Procedure 41(b)(4). A number of district courts have accepted this argument. *See United States v. Workman*, 863 F.3d 1313, 1321 n.5 (10th Cir. 2017) (listing cases), *cert. denied*, — U.S. —, 138 S. Ct. 1546, 200 L.Ed.2d 748 (2018). In light of these district court decisions, several of our sister circuits have said that they will not fault law enforcement for thinking there was jurisdiction when a number of federal judges have made the same mistake. *See, e.g., United States v. Moorehead*, 912 F.3d 963, 970 (6th Cir. 2019) (“But reasonable jurists have come to different conclusions about whether the NIT Warrant was valid. We cannot, therefore, expect officers to have known that this type of warrant was invalid at the time it was sought.”) (citations omitted), *petition for cert. filed* (U.S. May 20, 2019) (No. 19-5444).¹⁰

10 Some of the courts making this point are actually responding to a different argument. In those cases, the argument was that the officers executing the warrant were not entitled to good faith, because the warrant was plainly invalid on its face. *See, e.g., United States v. Henderson*, 906 F.3d 1109, 1119 (9th Cir. 2018) (“[O]ne is left to wonder how an *executing agent* ought to have

known that the NIT warrant was void when several district courts have found the very same warrant to be valid.”) (emphasis added), *cert. denied*, — U.S. —, 139 S. Ct. 2033, 204 L.Ed.2d 232 (2019). I agree with these courts that it was objectively reasonable for the executing officers to rely on the warrant and to defer to the magistrate’s judgment that there was jurisdiction to issue the warrant.

After the fact, courts can uphold a warrant on any basis. That same luxury should not extend to a good-faith analysis of the officials who sought the warrant. The FBI agent swore in the warrant application that he had “reason to believe” the property to be searched was in the Eastern District of Virginia. An official cannot make that representation if he does not actually have a reason, but is instead hoping for the magistrate to find one. Thus, the suggestion that because a few courts have upheld the warrant on a tracking-device theory it was reasonable for the officials seeking the warrant to believe there was jurisdiction, requires the assumption that the officials believed there was jurisdiction for the warrant on a tracking-device theory.

The problem with this logic is that law enforcement did not seek, nor did they obtain, a tracking-device warrant. *See* Maj. Op. at —. To obtain a tracking-device warrant, law enforcement uses a different *1302 form from the one used for typical searches within the district. *Compare* Administrative Office of U.S. Courts, Criminal Form AO 102, Application for a Tracking Warrant (2009), *with* Criminal Form AO 106, Application for a Search Warrant (2010), <https://www.uscourts.gov/forms/criminal-forms> (last visited August 19, 2019).

A reasonable law enforcement official, especially an FBI agent with 19 years of experience, would understand the difference

between a tracking-device warrant and a search warrant. A reasonable official would know that if the jurisdictional basis for the warrant was a tracking-device theory, he should seek a tracking-device warrant, or at least make the magistrate aware of the theory some other way. Bottom line: it is objectively unreasonable for law enforcement to believe there is jurisdiction on the basis of a warrant they did not seek and a theory they did not present.

* * *

To recap, the officials knew or should have known that there was a jurisdiction problem with the warrant. And they knew the search would not be within the district. If the search was of computers outside the district, the only possible basis for believing the magistrate had jurisdiction to issue the warrant would have been a tracking-device theory. But a reasonable official would know the warrant was not a tracking-device warrant, and it would be recklessly misleading to seek a regular search warrant based on a tracking-device theory without at least alerting the magistrate to the theory. As such, it appears to me that a reasonable official in these circumstances would have no basis for believing the magistrate had jurisdiction.

Even assuming the officials believed there was jurisdiction, the warrant application was misleading. The application states repeatedly that the search would be in the district, even though they knew the search would be of computers outside the district. They repeatedly emphasized the location of the server, which was irrelevant, and completely omitted any discussion of jurisdiction. The late disclosure

that the computers could be “wherever located” did not eliminate the risk that the magistrate would be misled and did not give the officials license to make disingenuous representations elsewhere. For these reasons, I believe the officials deliberately or recklessly misled the magistrate.

IV.

Whether the exclusionary rule should apply is, ultimately, a question of whether the benefits of deterrence outweigh the costs of suppression. *See Herring*, 555 U.S. at 141, 129 S.Ct. 695. The costs—excluding reliable evidence and possibly allowing the guilty to go free—are high. *Davis*, 564 U.S. at 237, 131 S.Ct. 2419 (“[Exclusion] almost always requires courts to ignore reliable, trustworthy evidence bearing on guilt or innocence. And its bottom-line effect, in many cases, is to suppress the truth and set the criminal loose in the community without punishment.”) (citation omitted). But what about the other side of the scale? What are the benefits of deterrence in this case?

Other courts have given short shrift to the benefits of deterrence in this case. They claim there is minimal deterrent value because (1) the blame lies with the magistrate for approving the warrant, and (2) the NIT warrant would now be lawful after the rule change. *See, e.g., Moorehead*, 912 F.3d at 970–71 (“The fact that any jurisdictional error here was made by the magistrate, coupled with the fact that Rule 41(b) has been amended to authorize warrants like the one at issue, means the benefits of deterrence cannot outweigh the costs.”) (quotation omitted). This misses the point. If

the officials who sought the ***1303** warrant are culpable for misleading the magistrate, the fault lies with them. And the object of suppression would be to deter law enforcement from misleading magistrates in the future, not to prevent warrants like this one from issuing.

There is a reason the Supreme Court has said that if police conduct is deliberate, reckless, or grossly negligent, “the deterrent value of exclusion is strong and tends to outweigh the resulting costs.” *Davis*, 564 U.S. at 238, 131 S.Ct. 2419. If courts decline to invoke the exclusionary rule in the face of culpable misconduct, we condone and encourage it. We effectively establish a new standard for law enforcement. Thus, even though the NIT warrant would not be valid, this will not be the last time that law enforcement officials mislead a magistrate in their quest for a warrant of dubious validity.

With this case, ten courts of appeals have sanctioned the following standard: When law enforcement officials apply for a warrant, even if they know the warrant is constitutionally suspect, so long as they technically disclose the facts that would reveal the problem to a discerning magistrate, no matter how cursory or buried the disclosure, the warrant is effectively unimpeachable if the magistrate fails to detect the problem. I cannot believe that the law expects so little of law enforcement, or so much of magistrates.

This standard creates a warped incentive structure. It encourages law enforcement to obscure potential problems in a warrant application. Because officials can be less upfront about problems in a warrant

application, the onus is on the magistrate to spot the issues. But it is well-established that if a magistrate makes a mistake—e.g., misses an issue, gets the law wrong—that mistake will almost always be forgiven because the police can generally rely on an approved warrant in good faith. *See Leon*, 468 U.S. at 922, 104 S.Ct. 3405. This is a system designed to encourage mistakes.

Instead, we should demand the utmost candor in warrant applications. Before today, I thought we did. The warrant process is premised on the good faith of law enforcement. *See Franks v. Delaware*, 438 U.S. 154, 164, 98 S.Ct. 2674, 57 L.Ed.2d 667 (1978) (“[T]he Warrant Clause ... surely takes the affiant's good faith as its premise”). It is “unthinkable” that a warrant application, “revealed after the fact to contain a deliberately or reckless false statement,” would be beyond “impeachment.” *Id.* at 165, 98 S.Ct. 2674. Indeed, if law enforcement officials were permitted to deliberately or recklessly include false representations in the warrant application, “and, having misled the magistrate, then [were] able to remain confident that the ploy was worthwhile,” it would neuter the Fourth Amendment. *Id.* at 168, 98 S.Ct. 2674.

Similarly, candor underpins the rationale for the good faith exception. We extend good faith to police executing the warrant because they are entitled to presume that magistrates are competent. *See Messerschmidt v. Millender*, 565 U.S. 535, 547–48, 132 S.Ct. 1235, 182 L.Ed.2d 47 (2012). But there is no reason to defer to magistrates' judgments if law enforcement officials do not present the court with the full and accurate picture. *See Leon*, 468 U.S. at 914–15, 104 S.Ct. 3405 (stating

that courts should not defer to a warrant when the magistrate's determination was based on a “knowing or reckless falsity” or when the magistrate was not presented with “[s]ufficient information”).

It is especially important to demand candor in warrant applications. The warrant application process is *ex parte*, which increases the risk that false information will be accepted or problems will be overlooked. *1304 *See Franks*, 438 U.S. at 169, 98 S.Ct. 2674 (“The usual reliance of our legal system on adversary proceedings itself should be an indication that an *ex parte* inquiry is likely to be less vigorous.”). That risk, in turn, creates a temptation to withhold or obscure unfavorable information. *See id.* (“The magistrate has no acquaintance with the information that may contradict the good faith and reasonable basis of the affiant's allegations.”).

I also don't think candor is too much to ask for. When executing a warrant, police are making decisions in real time. Plus, typically, they are not lawyers, so we don't expect them to have as much knowledge of the law as a magistrate reviewing a warrant application from the comfort of her chambers. These considerations do not apply, at least not to the same extent, to officials *seeking* a warrant. Generally, these officials have just as much, if not more, time for reflection while preparing the application, as the magistrate does while reviewing it. And in the frequent cases where police work with prosecutors to prepare a warrant application, it is fair to expect them to have a greater knowledge of the law.

I'm not advocating to change the law—the law already requires candor in warrant applications. I'm asking courts to take this requirement seriously.

When the Supreme Court established the good faith exception, the principal dissent warned that it would “put a premium on police ignorance of the law.” *Leon*, 468 U.S. at 955, 104 S.Ct. 3405 (Brennan, J., dissenting). Justice Brennan predicted that in close cases “police would have every reason to adopt a ‘let’s-wait-until-it’s-decided’ approach in situations in which there is a question about a warrant’s validity or the basis for its issuance.” *Id.* With this decision, his premonition has come true.

* * *

I recognize that my decision would have an unfortunate result. It would invalidate a warrant that led to the arrest and prosecution of

hundreds who trafficked in child pornography. And it would suppress the evidence gathered under that warrant’s authority, likely leading to the release of many of those offenders. But this unfortunate result is almost always the consequence when relevant, damning evidence is excluded. Such a result is the price we pay to protect the Fourth Amendment rights of the public. Therefore, we must follow the law even when faced with unpleasant outcomes. Otherwise, we excuse conduct, like the conduct at issue here, which invites strategic duplicity into the warrant process.

Because today’s decision undermines the integrity of the warrant process—a process which plays a crucial role in protecting the rights guaranteed by our Constitution—I respectfully dissent.

All Citations

935 F.3d 1279, 28 Fla. L. Weekly Fed. C 208