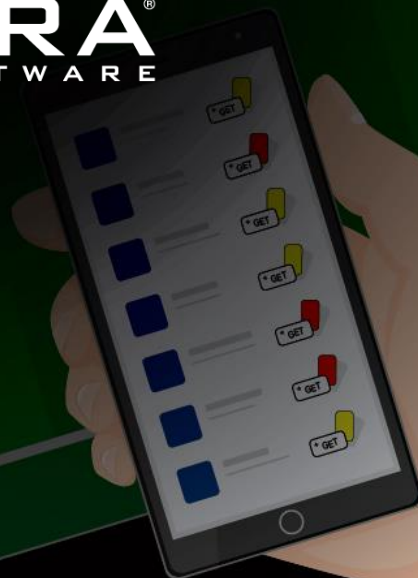




Will Companies be Shown a Yellow Card during EURO 2016?

A Mobile App Risk Assessment Report by

FLEXERA[®]
SOFTWARE



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Introduction

Contested every four years, the UEFA European Championship has been showcasing the continent's top talent since its inception as the UEFA European Nations Cup in 1960. Football-loving fans will turn to French soil for the third time, putting their hearts, minds, souls and sporting emotions into watching 24 teams over 51 matches to see if Spain will be three-time defending champions. As hosts, France automatically qualified, and will be joined by 23 qualifiers with the teams drawn into groups of four with the six group winners, six group runners-up and the four best third-place teams advancing to the round of 16 when it becomes a knockout competition.

This year's theme, "Celebrating the Art of Football", and the competition slogan, "Le Rendez-Vous", evoke the importance of EURO 2016 as one of the world's biggest sporting events not to be missed. The workplace will join eyes around the globe June 10 – July 10, riveted by the best European football and crowded with employees spending time checking their mobile apps for the latest scores to see how their teams are advancing.

EURO 16 will impact the workplace multiple ways – with employees also streaming content from mobile apps that make it easier than ever to get their football fix. Here are a few of the most popular ones:

- **bet365Wrapper** is one of the world's leading online gambling groups with over 19 million customers in almost 200 countries. The app is available in Austria, Germany and Switzerland.
- **BTSport** brings live streaming and on-demand video to Android, iOS and Windows 10 smartphones and tablets.
- **Football365** is one of the most important French Websites focused on soccer.
- **Tipico Sports** is an international provider of sports betting and casino games with branches in Germany. It is well known due to its sponsorship of various clubs and strong advertising presence.



With the proliferation of corporate-issued mobile devices and employees accessing corporate data from their personal devices (via corporate Bring Your Own Device [BYOD] policies) – is there another EURO 2016 downside for organizations beyond employee distraction?

What about the apps employees are using on their corporate and BYOD devices to stream content, get score updates and track EURO 2016 activities? What data can they access? What device features can they interact with? Could they pose a potential security risk to organizations or violate their BYOD policies?

CIOs are very good about keeping track of the myriad enterprise applications running on their networks, understanding what those applications do and mitigating risks. Indeed many leading enterprises have centralized [Application Readiness](#) processes to test applications and understand their behavior before they go live. However, few organizations extend those processes to mobile apps. According to a recent Flexera Software [report](#), 61 percent of organizations haven't identified which mobile app behaviors they would deem risky. And 55 percent haven't identified which mobile apps they'd deem risky.

This begs the question – is a corporate CIO putting her organization at risk and her reputation in jeopardy by failing to understand the behaviors of mobile apps employees are using that interact with corporate systems and data? In other words, could EURO 2016 apps give CIOs a yellow card?

We examined almost 50 popular media and sporting apps to assess them for potential BYOD risk to organizations:



888sport
AppPublishing
bet365Wrapper
Betfair
betscores
Betfred
BetVictor
Betway Sports
BTSport
bwinSportsbookCOM
Coral Mobile
direct
EM
EM2016
ESPN UK
Euro2016 - Prod
EurosportPlayer

FF.fr
FFF_2016_iOS
Foot Mercato
Football365
Forza
FranceFootball
Interwetten
Ladbrokes
lequipe
LFoTVApp
LIVE Score
M6 VideoBox
Mobile
Mobile Bet
My Bet Apps
myCANAL

MyLequipe
MyTF1
Onefootball
Paddy Power
RAN
ScoreCentre
SkyBet
SkyGo
SO FOOT
Sport
Sport1
Sportschau
Stan James
Team Stream
Tipico Sports
William Hill

We ran tests on these apps using [Flexera Software's AdminStudio Mobile](#) which helps organizations identify, manage, track and report on mobile apps, simplify mobile application management, reduce mobile app risk and address the rapidly growing demand for mobile apps in the enterprise.

AdminStudio Mobile tested these apps to determine whether they interact with an Apple iOS device's:



Ad Network	In-app Purchasing	SMS
Address Book	Location Services & Tracking	Social Networking
Bluetooth LE	Microphone	Telephony
Calendar		

A description of what the test results mean and their potential risks to the enterprise can be found in the [Test Descriptions](#) section of this report. There are many apps not tested in this report that are available in public app stores that employees could download to their corporate-issued or BYOD phones. The results highlighted in today's report simply underscores the importance of knowing what those apps do and how they could interact with sensitive corporate data.

Test Result Highlights

Of the almost 50 popular Apple iOS apps tested:

- 73 percent, including BTSport, Football365, Foot Mercato, FranceFootball, lequipe, LIVE Score, Onefootball, SkyGo and SO FOOT, support **Ad Networks**.
- 69 percent, including BTSport, Football365, Foot Mercato, FranceFootball, lequipe, Onefootball, SkyGo and SO FOOT, support **Location Services & Tracking**.
- 67 percent, including BTSport, Football365, Foot Mercato, lequipe, LIVE Score, Onefootball, SkyGo and SO FOOT, support **Telephony**.
- 57 percent, including BTSport, Football365, Foot Mercato, FranceFootball, lequipe, Onefootball and SO FOOT, support **In-app Purchasing**.
- 57 percent, including BTSport, Football365, Foot Mercato, FranceFootball, lequipe, LIVE Score, Onefootball and SO FOOT, support **Social Networking**.
- 4 percent, including bet365Wrapper and lequipe, support **Microphone**.



Test Results in Detail

Mobile App	Ad Network	Address Book Access	Bluetooth LE	Calendar Access	In-App Purchasing	Location Services & Tracking	Microphone	SMS	Social Networking	Telephony
888sport	✓	○	○	○	○	✓	○	○	○	✓
AppPublishing	✓	○	○	✓	✓	✓	○	✓	✓	✓
bet365Wrapper	○	○	○	○	○	✓	✓	○	○	○
Betfair	○	○	○	○	○	✓	○	○	○	○
Betfred	✓	○	○	○	✓	✓	○	○	✓	✓
betScores	✓	○	○	✓	✓	✓	○	✓	✓	✓
BetVictor	✓	✓	○	○	○	✓	○	○	○	✓
Betway Sports	○	○	○	○	○	○	○	○	○	○
BTSport	✓	○	✓	✓	✓	✓	○	✓	✓	✓
bwinSportsbookCOM	✓	○	○	○	○	✓	○	○	○	✓
Coral Mobile	○	○	○	○	○	○	○	○	○	○
direct	✓	○	○	✓	✓	✓	○	✓	✓	✓
EM	✓	○	○	✓	✓	✓	○	✓	✓	✓
EM2016	✓	○	○	✓	✓	✓	○	✓	✓	✓
ESPN UK	✓	○	○	○	✓	✓	○	✓	✓	✓
Euro2016 - Prod	✓	○	○	✓	✓	○	○	✓	✓	✓
EurosportPlayer	✓	○	✓	○	✓	✓	○	○	✓	✓
FF.fr	✓	○	○	✓	✓	○	○	○	○	○
FFF_2016_iOS	○	○	○	✓	○	○	○	○	○	○
Football365	✓	○	✓	✓	✓	✓	○	○	✓	✓
Foot Mercato	✓	○	○	✓	✓	✓	○	✓	✓	✓
Forza	○	○	○	○	○	○	○	○	○	○
FranceFootball	✓	○	○	✓	✓	✓	○	○	✓	○
Interwetten	○	○	○	○	○	○	○	○	○	○
Ladbrokes	✓	○	○	○	✓	✓	○	○	✓	✓
lequipe	✓	○	✓	✓	✓	✓	✓	○	✓	✓
LfoTVApp	✓	○	○	✓	✓	✓	○	○	✓	✓
LIVE Score	✓	○	○	○	○	○	○	○	✓	✓
M6VideoBox	○	○	○	○	○	○	○	○	✓	○
Mobile	✓	○	○	✓	✓	✓	○	✓	✓	✓
Mobile Bet	○	○	○	○	○	○	○	○	○	○
My Bet Apps	○	○	○	○	○	○	○	○	○	○
myCANAL	✓	○	○	✓	✓	✓	○	○	✓	✓
MyLequipe	○	○	○	○	○	○	○	○	○	○
MyTF1	✓	○	○	✓	✓	✓	○	✓	○	✓
Onefootball	✓	○	○	✓	✓	✓	○	✓	✓	✓
Paddy Power	✓	✓	○	○	✓	✓	○	○	○	✓
RAN	✓	○	○	✓	✓	✓	○	✓	✓	✓
ScoreCentre	✓	○	○	✓	✓	✓	○	✓	✓	✓
SkyBet	✓	○	✓	○	○	✓	○	○	✓	✓
SkyGo	✓	○	○	✓	○	✓	○	✓	○	✓
SO FOOT	✓	○	○	✓	✓	✓	○	✓	✓	✓
Sport	○	○	○	○	○	○	○	○	○	○
Sport1	✓	○	○	✓	✓	✓	○	✓	✓	✓
Sportschau	○	○	○	○	○	○	○	○	○	○
Stan James	✓	○	○	○	○	✓	○	○	○	✓
Team Stream	✓	○	○	✓	✓	✓	○	✓	✓	✓
Tipico Sports	✓	○	○	○	○	○	○	○	○	○
William Hill	✓	○	○	○	✓	✓	○	○	✓	✓
Total Percentage	73%	4%	10%	49%	57%	69%	4%	39%	57%	67%



iOS Feature Use

This report lists the usage/requirement status of the selected iOS feature(s) for all iOS apps in the Application Catalog. To change the selected feature, or to select multiple features, click **Options** in the toolbar.

Legend

- Uses feature
- Does not use this feature

Test Descriptions



Flexera Software AdminStudio Test: **Ad Network**

What does this test result mean? The app is capable of displaying advertisements “in-app” and connecting to ad networks

Potential risk to enterprises: Online ads frequently come from ad networks that supply code that developers use to insert advertisements into their apps. These ad networks could be vulnerable to hacking, thereby exposing the device and its data to illegal access by a malicious third party.



Flexera Software AdminStudio Test: **Address Book Access**

What does this test result mean? The app is able to access the device’s address book.

Potential risk to enterprises: Address books are important to advertisers. If an app is capable of addressing the device’s address book, that data could be used by the app developer or shared with third parties such as advertisers, which may violate an organization’s privacy, confidentiality or BYOD policies.



Flexera Software AdminStudio Test: **Bluetooth LE**

What does this test result mean? The app is capable of accessing the device’s Bluetooth phone features

Potential risk to enterprises: Hackers with specific intent can potentially gain access to data being communicated by the device via Bluetooth communications. If the app in question is capable of accessing private, confidential or sensitive data on the device – and that device’s Bluetooth data has been hacked, this could cause a security risk for an organization.



Flexera Software AdminStudio Test: **Calendar Access**

What does this test result mean? The app is capable of accessing the device’s calendar and calendar functions

Potential risk to enterprises: Similar to risks associated with apps that access the address book, data from a user’s device calendar could be accessed and used by the app developer or shared with third parties, such as advertisers. Given the private, confidential and/or sensitive nature of calendar content – giving apps access to this data may create unwanted security risk depending on the organization and its BYOD policies.



Flexera Software AdminStudio Test: **In-App Purchasing**

What does this test result mean? The App enables in-app purchasing

Potential risk to enterprises: In-app purchasing capabilities could expose an organization to unwanted additional costs if the device is tied to a corporate credit card account. An organization might have other software licensing and compliance policies around app procurement that could also be circumvented by in-app purchasing.



Flexera Software AdminStudio Test: **Location Services & Tracking**

What does this test result mean? The app can access the device's GPS location services

Potential risk to enterprises: Confidentiality and privacy concerns in many organizations would prohibit unapproved apps from tracking employee location information. Moreover, to advertisers, location is one of the most valuable things on a device, so many apps access this data solely to pass along to advertisers. Consequently many organizations restrict apps that can access location services on employer-issued or BYOD devices.



Flexera Software AdminStudio Test: **Microphone**

What does this test result mean? The app is capable of accessing the device's microphone.

Potential risk to enterprises: The device's microphone feature turns a mobile device into a wireless mic – making it an alternative to a headset. Applications capable of accessing the device's microphone could be used by untrustworthy app developers to potentially listen in on confidential or private conversations. Granting an application access to the device's microphone, therefore, may be inconsistent with an organization's BYOD policy.



Flexera Software AdminStudio Test: **SMS**

What does this test result mean? The app can access the device's text functionality

Potential risk to enterprises: Apps that can access the device's SMS functionality can potentially read text messages that are stored on the phone, or create text messages and send them to recipients – for instance contacts on the device (if the app can also access the contact list). This poses significant potential privacy concerns for corporate-issued or BYOD devices, given that confidential information could be contained in the text messages.



Flexera Software AdminStudio Test: **Social Networking**

What does this test result mean? The app can access and share data with social networking sites

Potential risk to enterprises: Employer-issued and BYOD devices often contain confidential information that should not be shared in a social media setting. Apps able to access social media sites could potentially share confidential data. Likewise, a corporate or BYOD device that contains personal employee content could inadvertently share personal data to a corporate social media site linked to the device.



Flexera Software AdminStudio Test: **Telephony**

What does this test result mean? The app can access the devices phone function

Potential risk to enterprises: There is a risk that an app accessing telephony features could call restricted phone numbers or “premium” phone numbers that, for instance charge high fees – such as per-minute calling charges. In some instances, organizations may want to restrict apps capable of accessing a device’s telephony function.

EURO 2016

COMPANY

Yellow Cards?

CIO'S BEWARE: EMPLOYEES USE OF EURO 2016 APPS COULD VIOLATE ENTERPRISE BYOD POLICIES & INTRODUCE RISK

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57%

including BTSport, Football365, FranceFootball, Foot Mercato, lequipe, Onefootball and SO FOOT, support In-app Purchasing.

4%

including bet365Wrapper and lequipe, support Microphone.



About Flexera Software

Flexera Software helps application producers and enterprises increase application usage and security, enhancing the value they derive from their software. Our software licensing, compliance, cyber security and installation solutions are essential to ensure continuous licensing compliance, optimized software investments, and to future-proof businesses against the risks and costs of constantly changing technology. A marketplace leader for more than 25 years, 80,000+ customers turn to Flexera Software as a trusted and neutral source of knowledge and expertise, and for the automation and intelligence designed into our products. For more information, please go to: www.flexerasoftware.com.



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