

IBM Connect 2015

Seize the Moment

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IBM Cognos Mobile

Successfully Deploy in your Enterprise



Agenda

- IBM Cognos Mobile overview
- Installation
- Connecting to the server
- Consuming content on the mobile device
- Security overview
- Personalize your app
- Support for MDMs and internal app stores

IBM Cognos Mobile

- Secure access to your content
- Performance and scalability
- BYOD support
- Connected or disconnected



Analysis on IBM Cognos Mobile

View your existing Cognos content on your mobile device



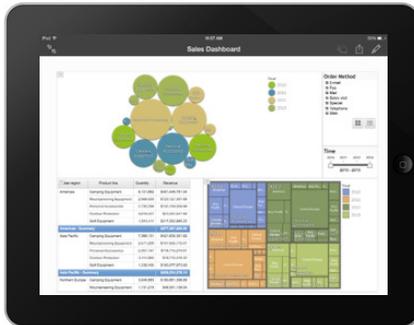
Active Reports

- Great for dashboards
- Interactive, visually pleasing
- Disconnected, portable



Regular HTML Reports

- Great for lots of data
- Can have multiple pages
- Connected / Disconnected



IBM Cognos Workspace

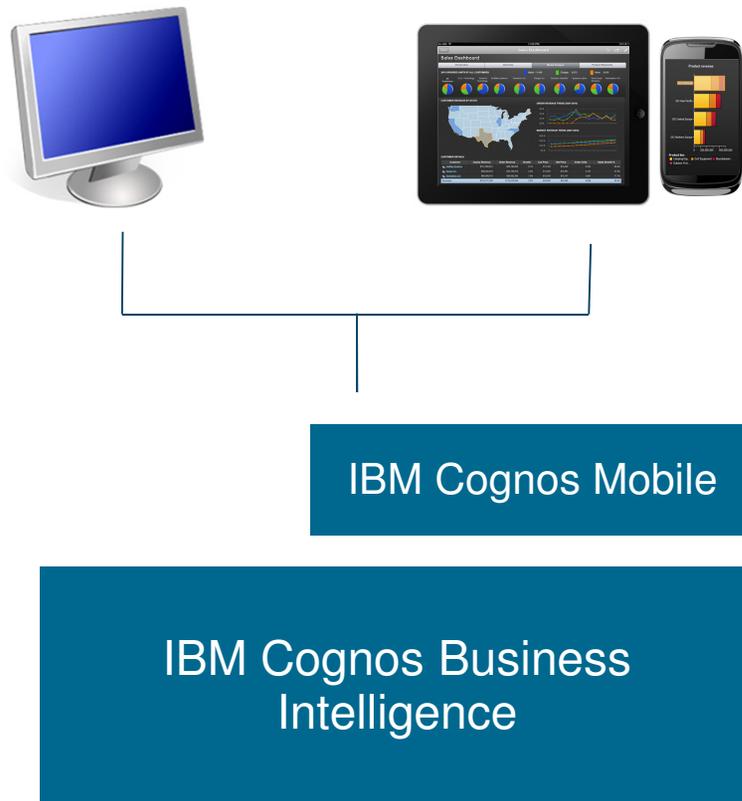
- Self-serve for Business Users
- Optimized for a touch interface
- Connected

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Mobile installation

10.2.1: Separate install



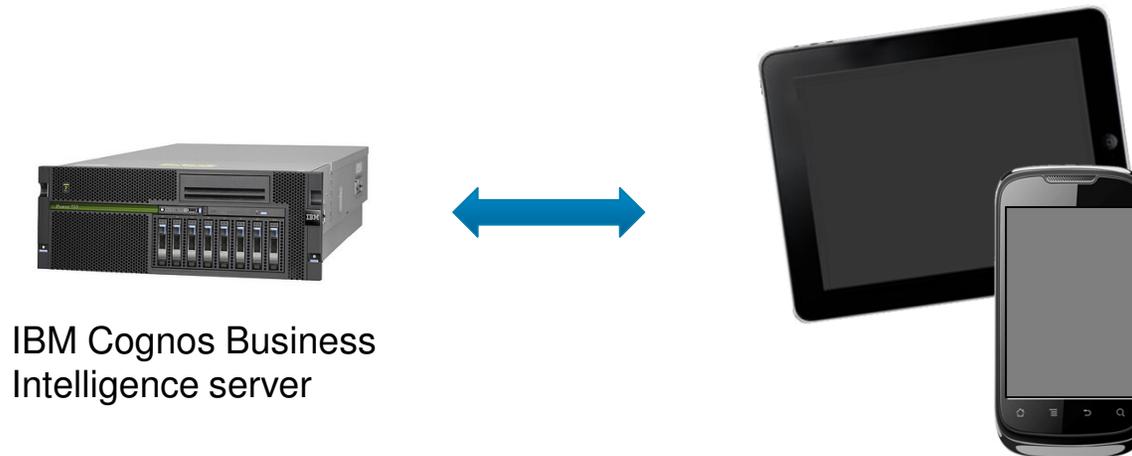
10.2.2: Single installation



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Connecting to your server

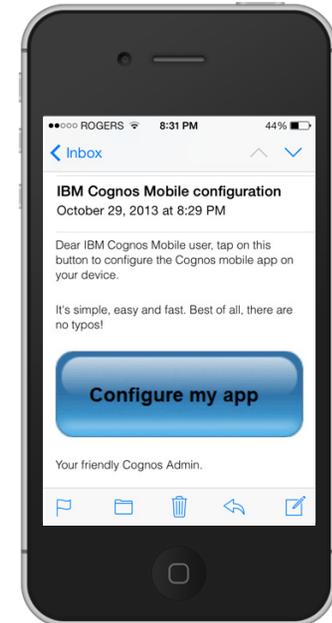


IBM Cognos Business
Intelligence server

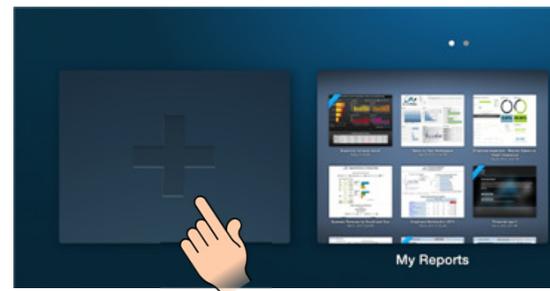
- Cognos Mobile connects to the BI server using the same Cognos web gateway as a desktop user
- Support for
 - VPN
 - SSL
 - Reverse Proxy
 - Per-app VPN (secure tunneling) provided by an MDM tool

Defining a connection to the BI server

- Auto-Config simplifies the process for users
- Use an email or place the URL on a corporate website with a button
 - Example:
<cmug://aHR0cDovL3NkZi5zZGZzZC5mc2RmP3ZlcnNpb249MS4xJnBhc3M9b2ZmJmF1dG9kd249b24mZGlzcHNhbXA9b>



- Manually type the server URL

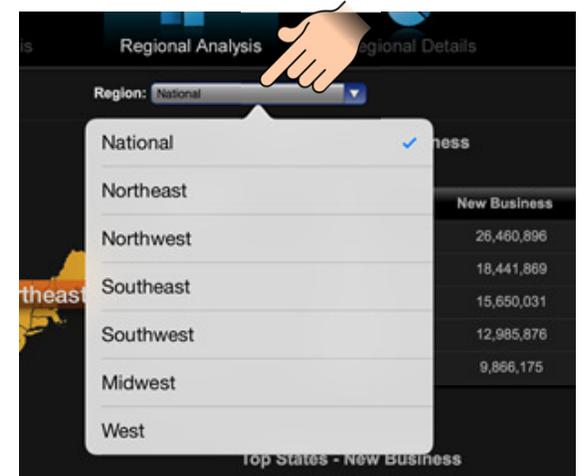


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Consuming content on Mobile

- No need to modify your content for IBM Cognos Mobile
- All prompts and pop-ups are automatically converted to be touch-friendly



Tips:

- Use large buttons
- More padding
- Visually engaging



Getting content to the device

There are three mechanisms to get content onto your devices:

1. Push the content using a schedule
2. Browse the server from the app
3. Manually import Active Reports

Getting content to the device

1) Push to mobile recipients

Schedule the reports and synchronize to the device upon authentication



Server

Mobile Service push

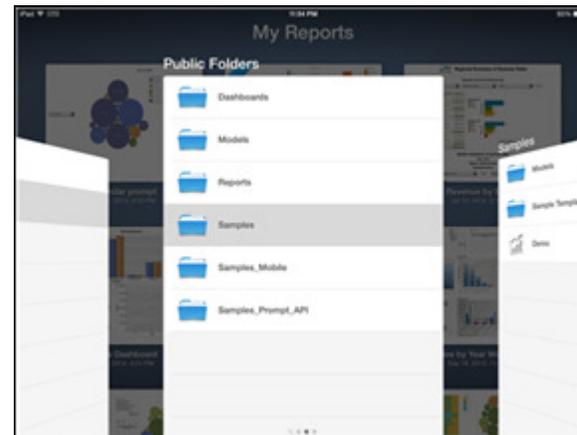


Devices

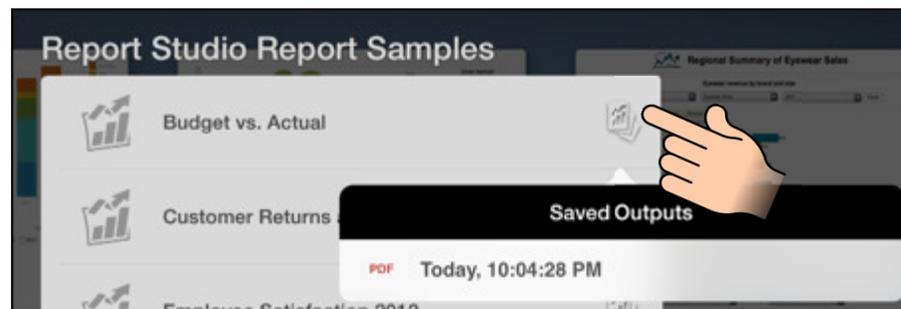
Getting content to the device

2) Browsing the server

- Browse the server to run or retrieve the desired report



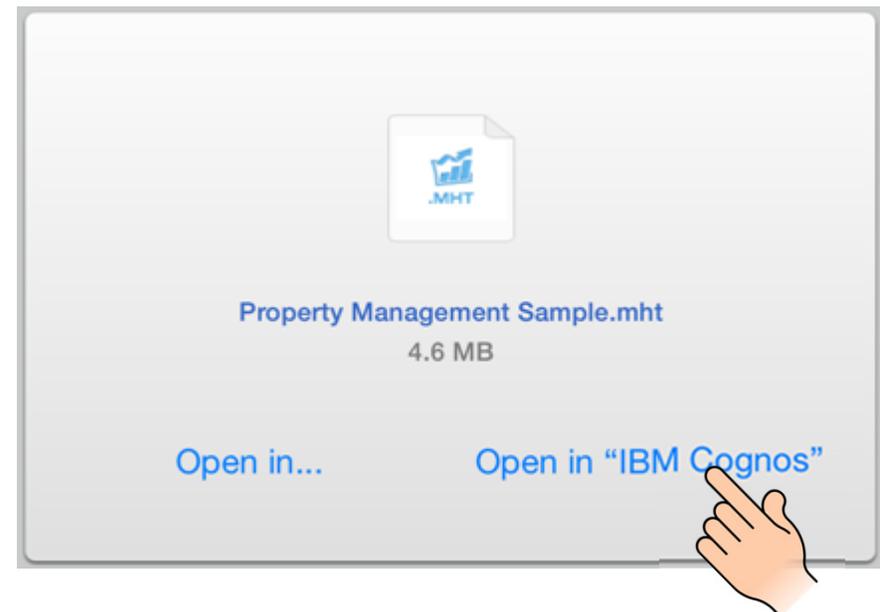
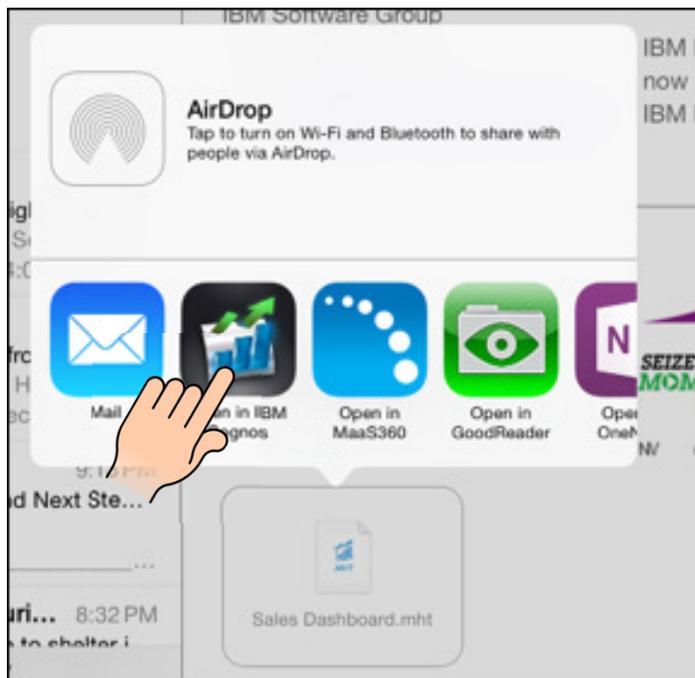
- Retrieve Saved Outputs



Getting content to the device

3) Manually importing an Active Report

- Import from a web server, email, iTunes (iOS) or locally (Android)



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Security – Overview

- Leverages **Cognos BI security**: namespaces, users (e.g. AD, LDAP)
- Supports **web server security**: TLS/SSL, NTLM, Kerberos, SiteMinder, etc.
- Communication is **standard HTTP** and works with standard network security: VPNs, TLS/SSL, secure WiFi, etc.
- Support for **SSL pinning** to guard against man-in-the-middle attacks
- Support for **client-side certificates**
- **Encrypted** local content
 - AES 128 or 256 bit
 - Uses device PIN to re-encrypt the contents
- Leverages a '**lease key**' mechanism to allow time-limited access to data while offline.
- **Application Passcode** (PIN) can restrict access to the App



IBM Cognos Business
Intelligence server



Examples of security settings

Setting	Relaxed	Tightened
Hours to store cached credentials	8760 (1 year)	168 (1 week)
Hours to access local data	-1 (never expires)	24
App PIN timeout	-1 (No PIN)	0 (always prompt)
Local storage encryption level	AES128	AES256
Device PIN	Off	Complex

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Personalize the app

- Customize the background of the app to suit your business
- Show an image of your company logo or a fully interactive HTML5 dashboard



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Internal app stores and Mobile Device Management (MDM) tools

- Control the timing of the release of the app through internal stores
- Wrap the app with your MDM
- The IBM Cognos Mobile for Good Technology app is integrated with Good Dynamics



Internal app stores or MDM



Appendix – Useful IBM Cognos Mobile Links

- IBM Cognos Getting Started Guide:
<http://www-01.ibm.com/support/docview.wss?uid=swg27037028>
- IBM Cognos Mobile for Good Technology Getting Started Guide:
<http://www-01.ibm.com/support/docview.wss?uid=swg27041729>
- IBM Cognos BI conformance site
<http://www-01.ibm.com/support/docview.wss?uid=swg27037784>
- IBM Cognos Mobile How-to Videos:
<http://ibmtvdemo.edgesuite.net/software/analytics/cognos/videos/HTVs/cm102/index.html>
- IBM Cognos Active Reports Cookbook:
http://www.ibm.com/developerworks/data/library/cognos/reporting/active_report/page593.html