

CONSUMERIZATION OF IT

BYOD and Cloud-based File Storage



Moderator:

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Speakers:

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Best Practices & Business Processes

2007....

2007.....

First iPhone released...



Bring Your Own Anything (BYOA)

Royce Holden, MBA-TM, CISSP

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The Business Problem...

How to obtain “Always on, reliable access to airport systems and devices” from “Any Device”?

- Perception of “always connected” staff
- Staff’s reliance on mobile devices
- Ability to work from anywhere
- Consumerization of IT – Blurred Lines (Organization Oriented)
- The CEO – Can use whatever they want
- Types of Systems and Services



Where should you start?

- State of North Carolina – “Bring Your Own Device Policy”
- State of North Carolina – “Cloud Computing Strategy”
- Personally Identifiable and confidential information
- Short Term: Protect data at device level
- Long Term: Protect data, no matter where it resides

The Business Solution ...



- Policy in Place?
- Training in Place?
- Ideas on which Systems and Services are going to be in Place?
- IT Staff and SLA's in Place?

Now, focus on Security and Productivity...



SCREENCONNECT
SUPPORT • MEET • ACCESS

- VDI – Virtual Desktop Interface
- Enterprise Mobility Management
- End Point & Network Security
- Identity Management
- Malware & AV Support
- Single Sign On
- Split Tunneling



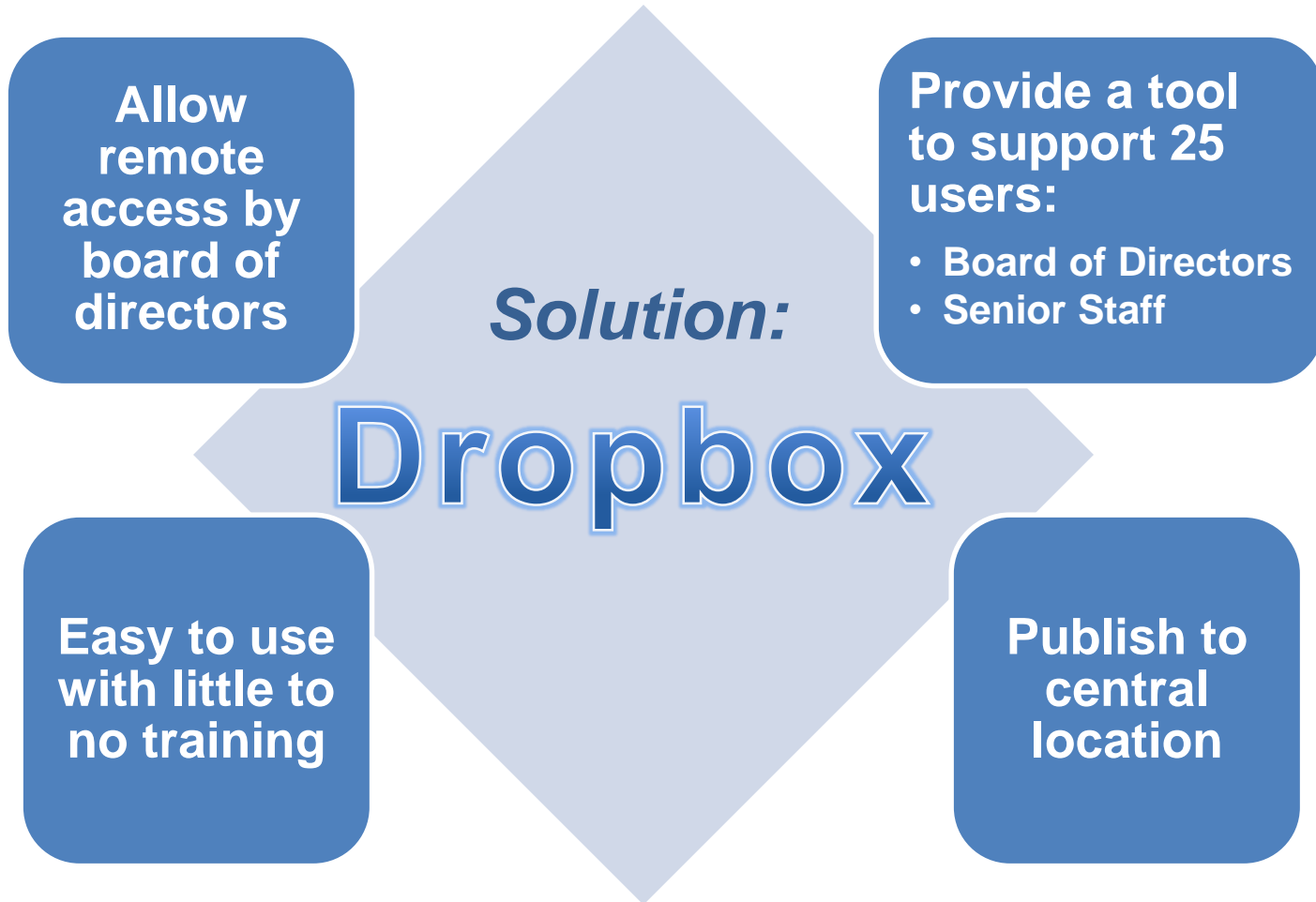
Cloud File Storage Experiences @ MNAA

Presented by
Vanessa Hickman
VP & CIO
ACI – NA

Business Information Technology Conference
March 25, 2015



The Business Problem. . .Automate Board Documents





Unintended Consequences solved with Dropbox *for Business*

- **Dropbox use expanded to 75 users across organization**
 - * Initial purchase: 100 user licenses; annual subscription
- **Security & governance of corporate assets**
 - * Single Sign-on
 - * Remote wipe
 - * Audit logs & sharing controls
- **Integration with Windows Explorer or access via browser**
- **Access data on multiple platforms; both on-line and off-line**
- **Unlimited capacity for business account; also increased capacity of personal Dropbox**
- **Users can maintain personal Dropbox separately from business Dropbox account**
- **Support is responsive and readily accessible**



Bring Your Own Device Orlando International Airport

John Newsome - Director of Information Technology
Greater Orlando Aviation Authority

BYOD

Business Drivers

1. Business need for ever more smart mobile devices
2. Business decision to permit one combined business / personal device for personnel convenience (i.e., one versus two devices).
3. Business decision to permit personnel to select a device of their preference to improve efficienciesand
4. Business decision to require personnel to own the device to shift support from internal IT to the carrier of preference.
5. Business need for data leak prevention and malware protection for the business partitionand ensure business email (and latter text messages) are retained in accord with public record regulations and laws.



BYOD

Lessons Learned

1. MDMs were immature at the time (2012):
 - a. Could not ensure performance across multiple vendor' devices and frequent OS revisions
 - b. Could not prevent documents from being moved from one partition to another (e.g., email attachments)
 - c. Text messages could not be captured and retained except on the Android OS and even then were carrier dependent.
2. Maintenance of an Application library was a more controversial and daunting effort than first anticipated
3. Personnel continued to come to IT to solve problems instead of the vendors / carriers. IT support increased rather than decreased.
4. Personnel became concerned / suspicious about the potential for eavesdropping, location tracking, etc.
5. The amount of the stipend was even controversial due to different capabilities needed for different users

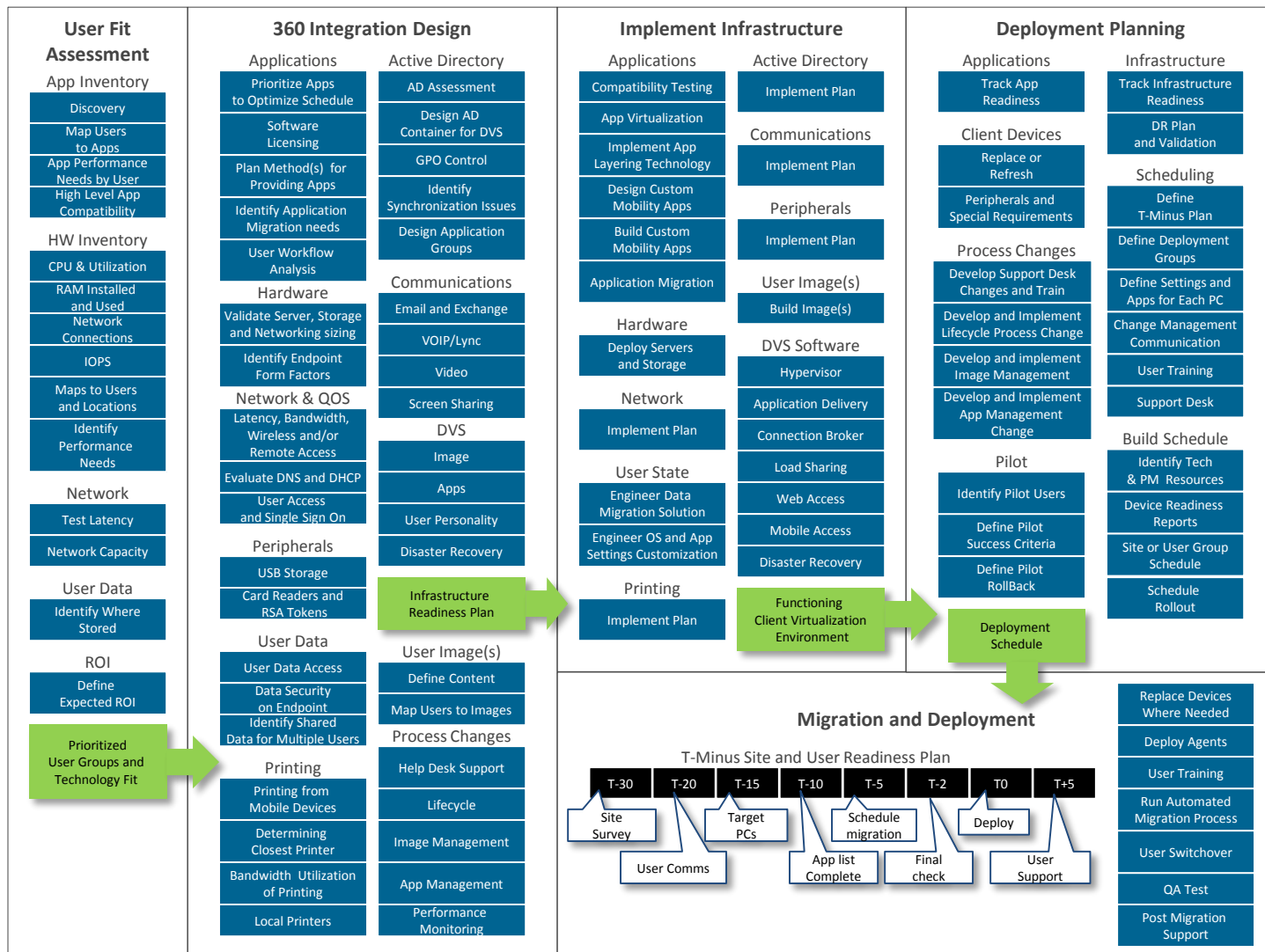


Consumerization of Corporate IT: BYOD and Cloud-base File Storage

Brice Callison

Mobile Product Technologist | Dell





The same problem can be solved in different ways

Configured
device

Image
Container

Application
Container

VDI
receivers

Browser



End users will only **adopt** tools they like

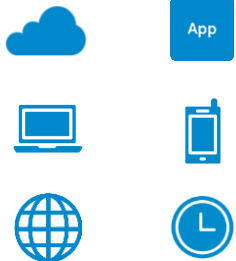
Empower end users to use their evolving skills

End users



Productivity
Privacy

End users need productivity tools that work for them



They want to use their personal devices

Laptops/tablets

Mobile devices



They want privacy and data-wipe assurance



88% need remote access

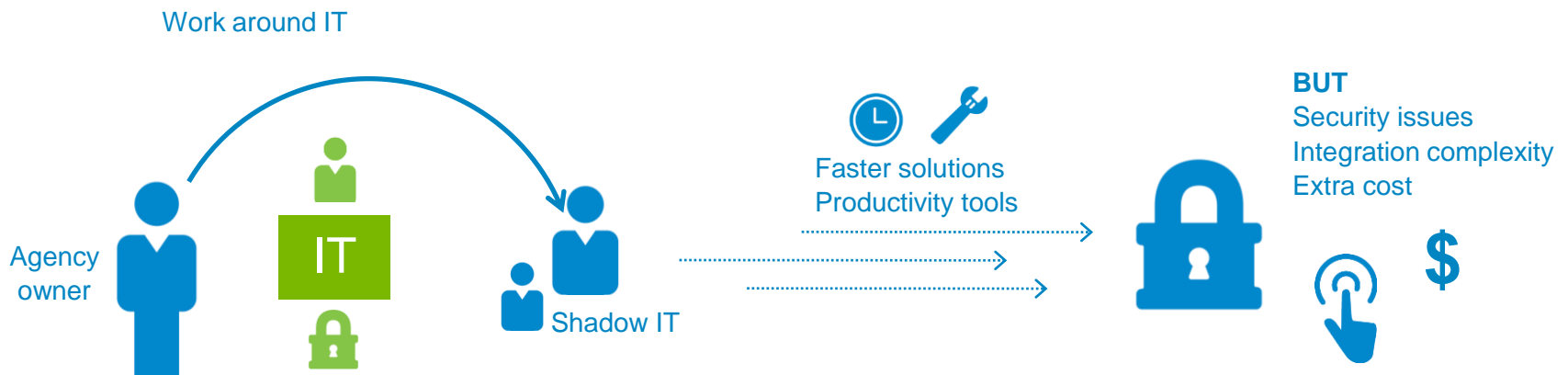
66% use free file sharing tools

Agency owners will do anything to **ensure productivity**

Agency owners



Need productivity tools to deliver outcomes more quickly than IT can create them.



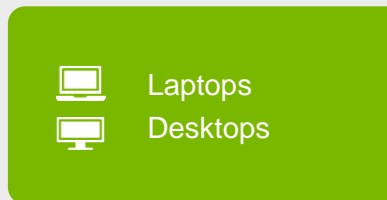
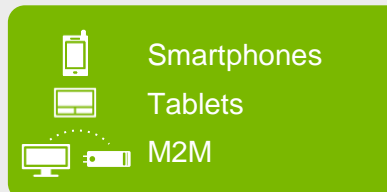
Enterprise Mobility Management (EMM)

Your devices, your users, your mobile strategy

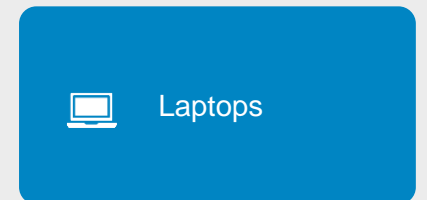
- Complete, secure endpoint management
- Secure enterprise workspace on all devices
- Secure access to enterprise data
- Integrated console management
- User self-service
- Identity management
- Business apps and services you need
- Flexibility for future-proofing

Comprehensive mobile enablement

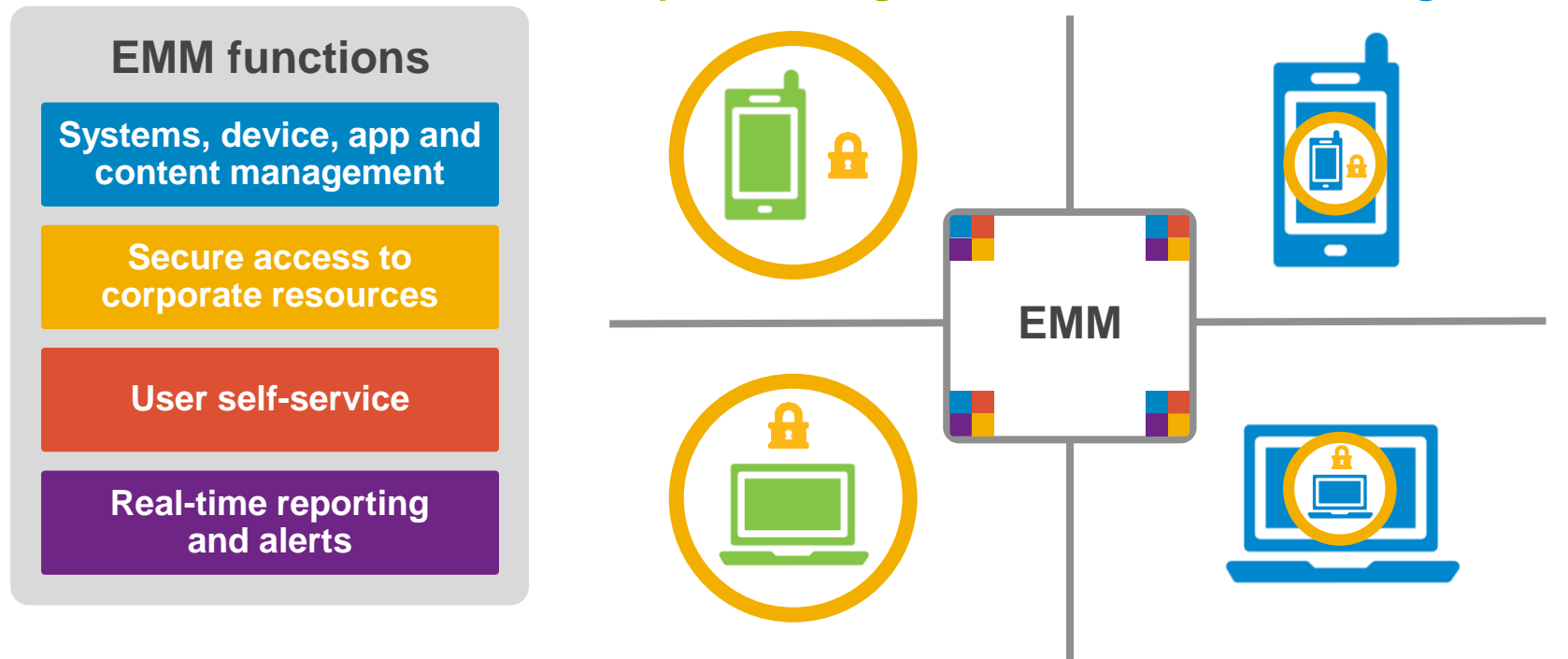
Endpoint management



Container management



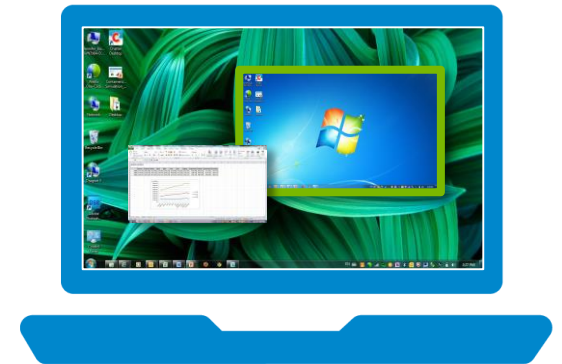
Unified solution with common functions for all your devices



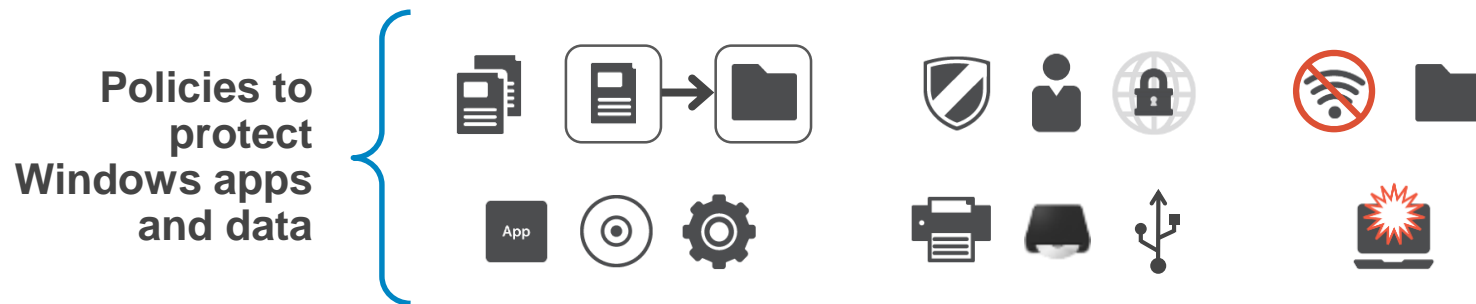
User experience—same look and feel as an enterprise PC

End users can:

- Run applications directly on their PC
- Login and start VPN and apps just like always



Security controls to manage use of apps and data:



Choose your own adventure

Corporate-owned devices



Corporate issued

Corporate owned,
personally enabled

Personally-owned devices

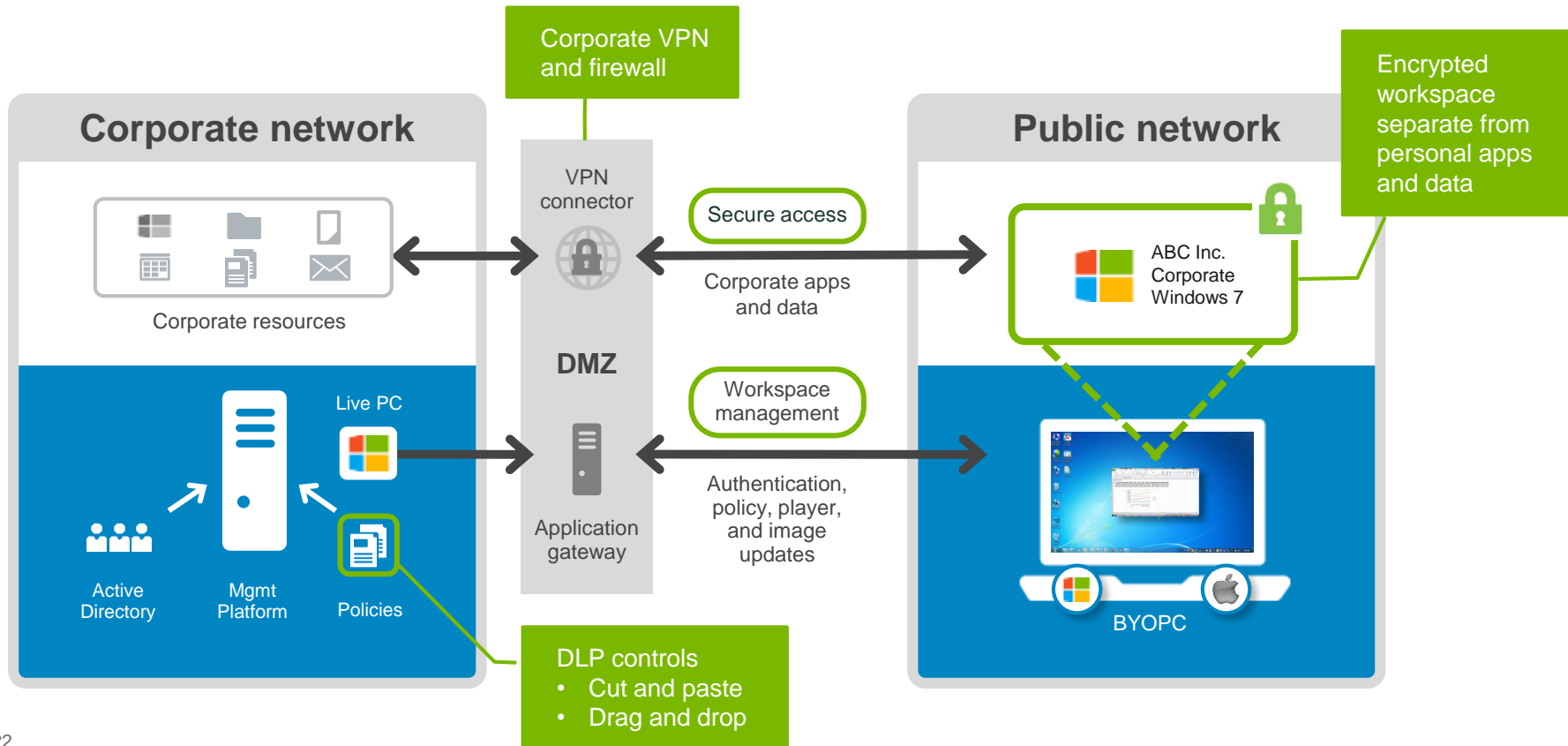


Choose your own
(from enterprise-approved product list)

Bring your own

← Most organizations have needs **across** these tiers →

Future State Workspace



Thank you



Resources:

www.brianmadden.com

www.dell.com/emm

<http://blogs.intel.com/application-security/2013/12/16/api-management-anyway-you-want-it/?wapkw=enterprise+mobile+management>

<http://www.intel.com/content/www/us/en/enterprise-mobility/learn-about-enterprise-mobility-management.html?wapkw=enterprise+mobile+management>