Future of VDI

The End User Computing Roadmap 2016-2020

We built VDI 1.0

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Workspot

The data center is being re-invented

The data center is being re-invented and simplified:

- Converged infrastructure simplifies existing data center architecture
- Flash increase performance by a factor of 100x
- Hyper-converged infrastructure simplifies operations

The data center will be hybrid:

- Workloads will run both on-premises and in the cloud
- Workloads will be managed from the cloud and on-premises

CI	Flash	HCI
Cisco	PureStorage	Nutanix
Oracle	Violin Memory	SimpliVity
Hewlett Packard Enterprise	XtremIO	Atlantis

End Points have changed

Users use multiple devices – phone/tablet/laptop

- The consumer experience is multi-device; the enterprise experience will be any-device also; we need to optimize for an any device world

Fewer and fewer devices will be on the corporate network

- 80+% of the devices aren't going to be owned or managed by IT
- Those devices cannot be put on the corporate network
- How do end users securely access business apps and data from those devices?

What should the user experience be?

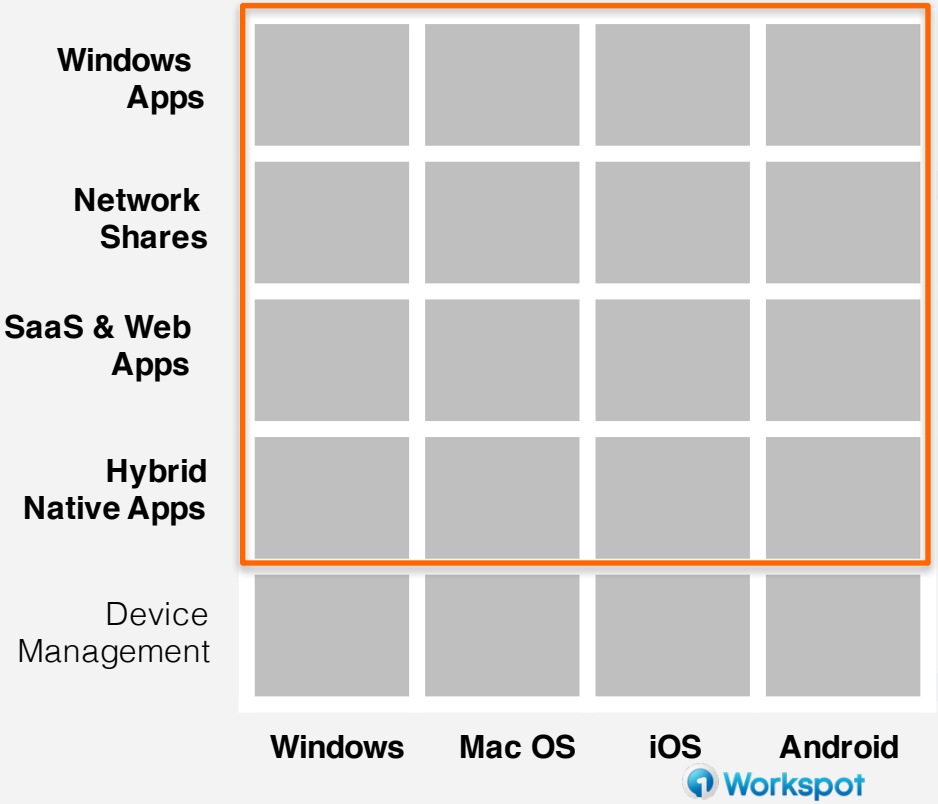
- Consistent whether the user is on the corporate network or not
- Consistent whether the user is using a PC, Mac, Phone, or Tablet
- Simple whether the user is trying to access any application

End User Computing Still a Problem for IT since 2009

End users want to access:

- windows apps like SAP
- network file shares
- SaaS apps like Office 365
- web apps like SharePoint
- native apps like Box

from any device



Many Point Solutions for End User Computing

$$$$ to write new mobile apps

- Integration with existing business processes

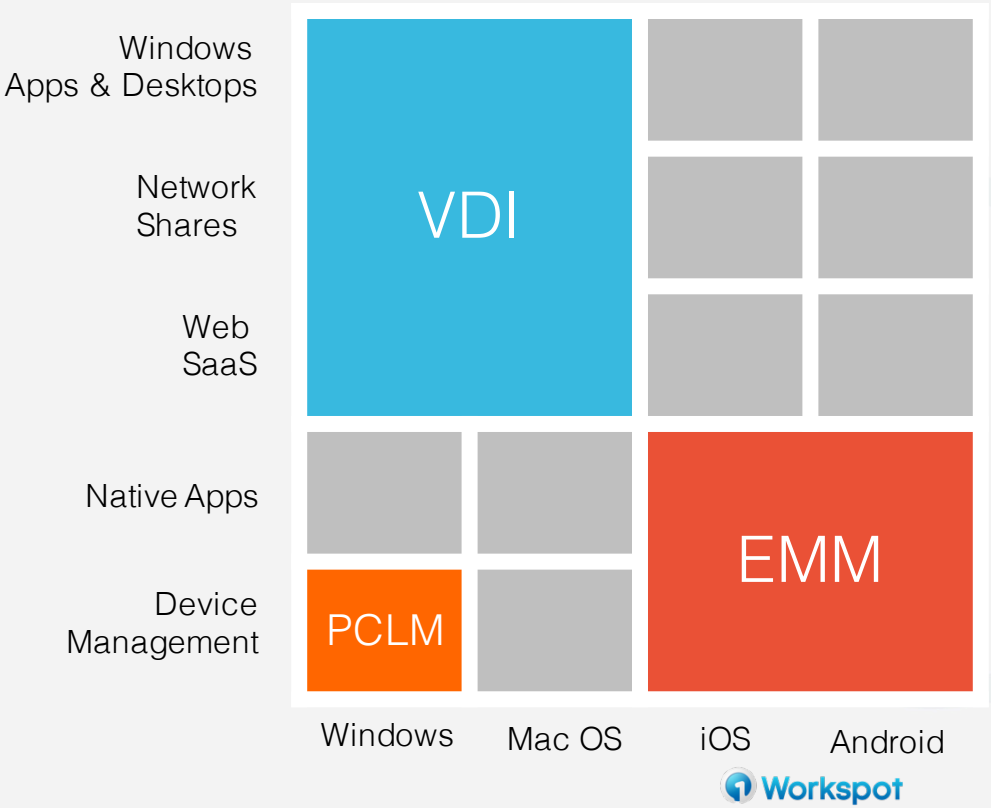
$$ to re-purpose existing apps

- Short-term solution

Manage the Device (EMM)

- Users don't want their devices locked
- 80% of the devices are personal and cannot be managed

Virtual Desktop Infrastructure (VDI)



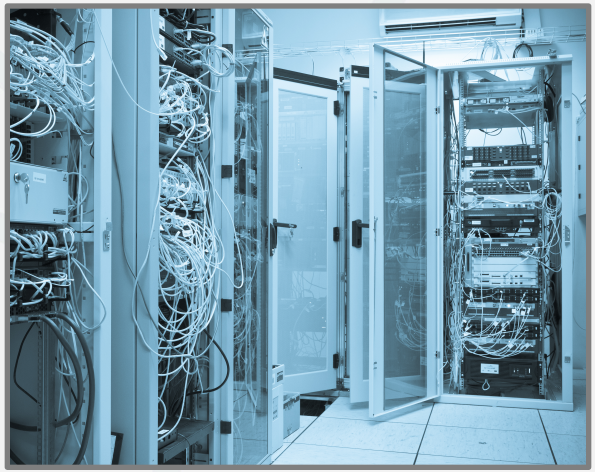
2020 Roadmap for End User Computing

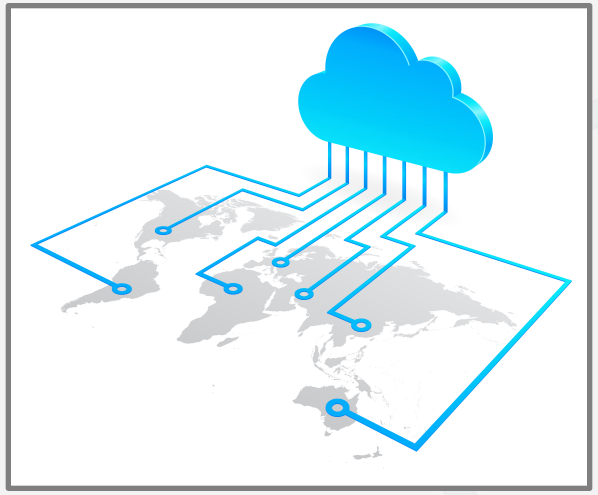
EUC roadmap to 2020 will take the following journey:

1. Solution Architecture needs to change
2. End Point Management will become unified
3. VDI 1.0 will be replaced by VDI 2.0
4. VDI will become a feature of a workspace
5. Productivity will be seamless across devices

1. End user computing solution architecture needs to change

Single-tenant
On-premises
Built for legacy data center

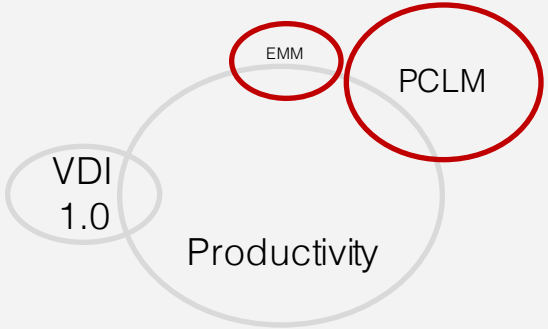




Multi-tenant
Cloud Control Plane
Built for modern data center

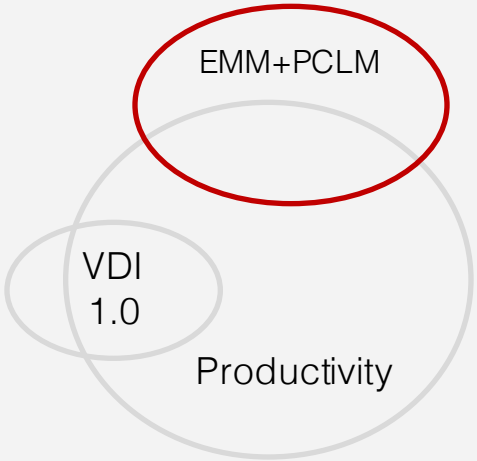
Workspot

2. End Point Management will become unified



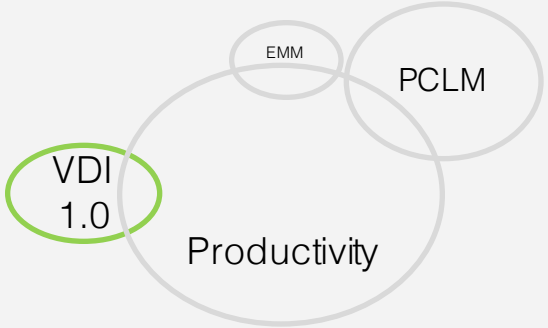
Separate Tools for PC and Mobile

- Until 2015, IT had separate tools to manage PCs and mobile
- In the next few years, these tools will merge to provide a single platform for IT to manage any device
- But <20% of the devices in the world can be managed because the vast majority of the devices are not owned by the company



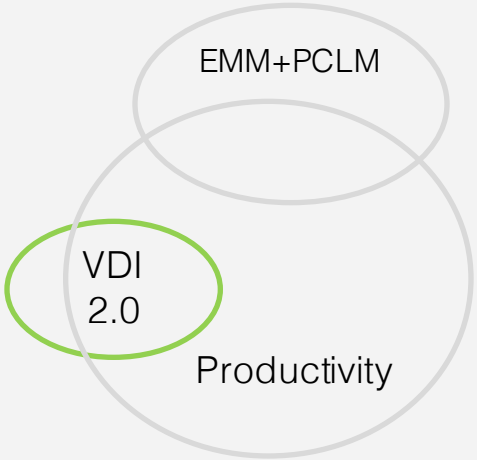
Single platform to manage any device

3. VDI 1.0 will be replaced by VDI 2.0



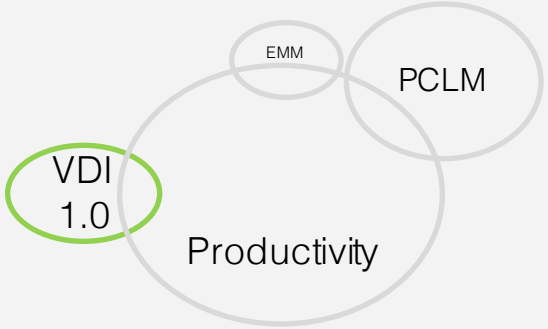
VDI 1.0 built for Legacy Data Center

- VDI 1.0 was built for the legacy data center stack (servers, storage, network, virtualization, etc.)
- In 2016, VDI 2.0 is optimized for cloud and hyper-convergence and is 10x simpler



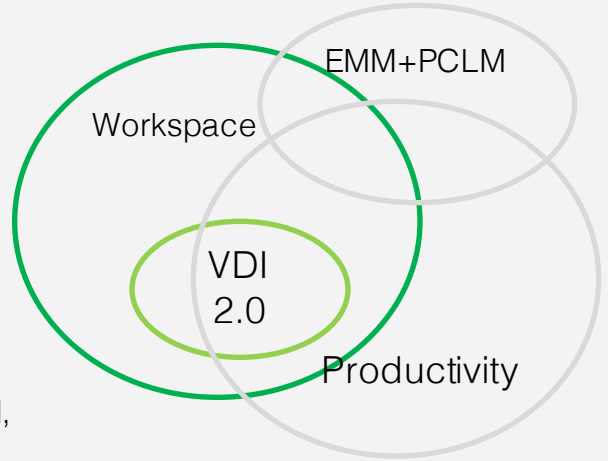
VDI 2.0 built for cloud And hyper-convergence

4. VDI will become a feature of a workspace



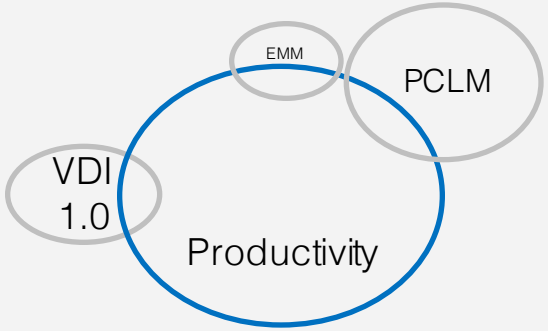
With workspace:

- Apps could be in the public cloud, the private cloud, or on-premises
- Apps could be Windows/Web/SaaS/Native/HTML5 /Hybrid
- One of the “apps” can be a Windows desktop



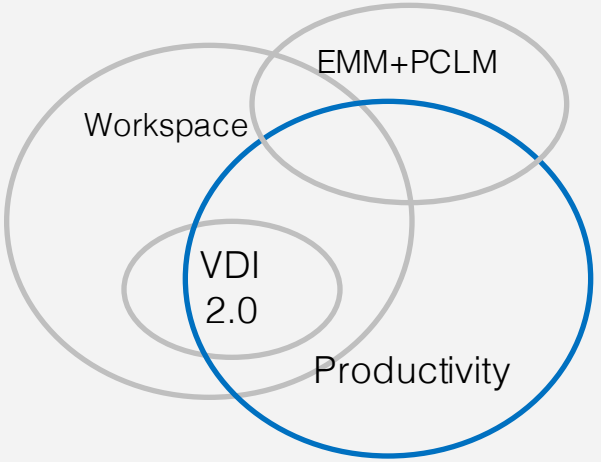
A workspace enables secure access to any application from any device

5. Productivity will be seamless across devices



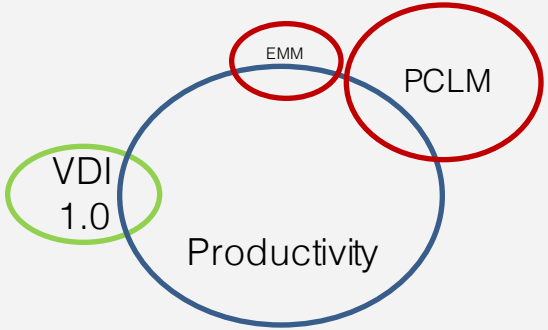
PC-Centric Office Productivity Tools

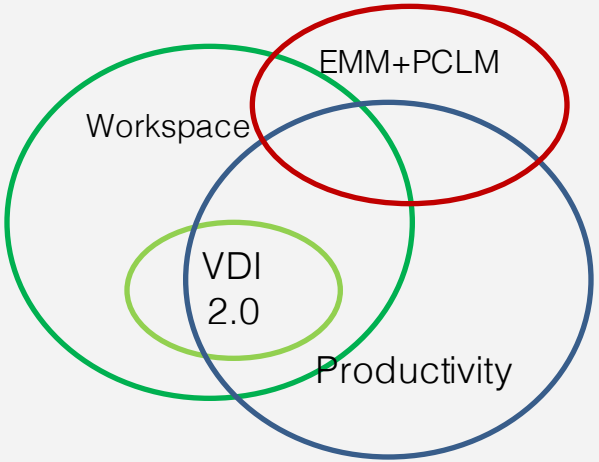
- Today Microsoft Office is a PC-centric productivity tool
- Office 365 has already started the transition to a world where productivity tools will be available across all devices



Productivity Tools on any Device

End User Computing will go through a fundamental transformation





2015

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2020

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Is your End User Computing Solution ready for the future?