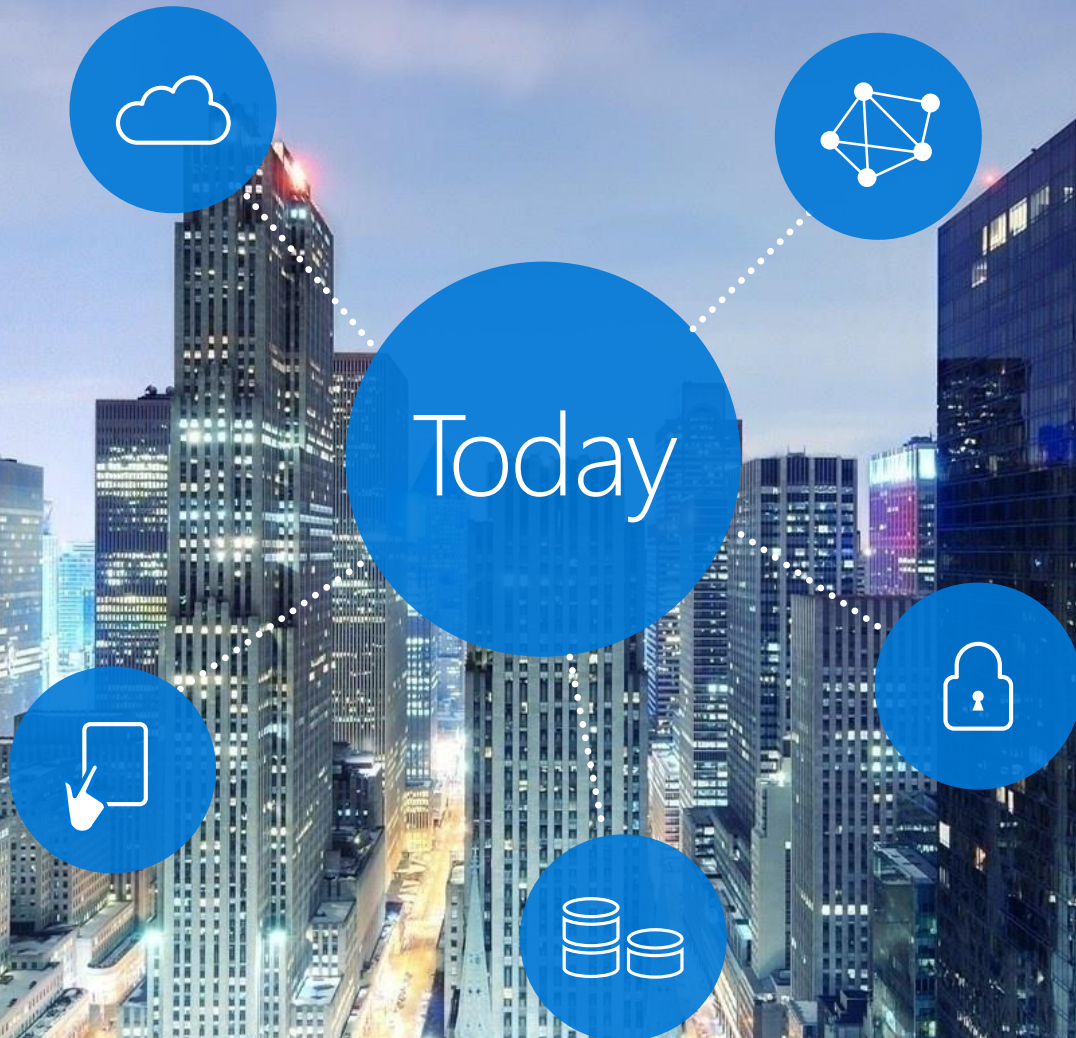




Windows 10 Enterprise

Clinton Ward
Memphis Light Gas & Water





What users are telling us

Passwords
are no
longer
sufficient

How do I
protect my
corporate
data

We need to be
adopting new
technologies
as fast as
consumers

We
need access
to their apps
and data
anywhere,
anytime

We want
more
transparency
and an open
with IT
Services

Security of
our mobile
devices is a
top concern

Too many
tools and
too much
fragmentation

No more big
deployments

IT Budgets
are under
pressure.
Show us how
we can cut
IT costs



Windows 10 for Enterprise

Protection against modern security threats

Hardware based security for better malware protection.

Secure boot
Virtual Secure Mode

Secure corporate identity to protect against modern threats.

Microsoft Passport
Biometrics

Protect your corporate data, wherever the data is.

Enterprise data protection
(mobile and desktop, with Universal Office and Office for desktop support)

Eliminate malware on your devices.

Device Guard

More secure per-app connection for mobile workers.

Secure Remote Connection

Managed for continuous innovation

Choose management solutions that work best.

Mobile Device Management
Group Policy

End of wipe and replace deployment.

Dynamic provisioning
In-place upgrade

Power your business with Universal Apps.

Private catalog
Azure AD Join (desktop and phone)
Business Store

Keep your devices secure and up to date with latest technology.

Delivering Windows as a service

Be more productive

A familiar user experience that adapts to your device.

Start menu
Continuum

Apps that can run on any Windows device.

Universal Apps for Windows

The best productivity experience across all Windows devices.

Office for Windows

Modernize your web experience, stay compatible.

Microsoft Edge
Internet Explorer 11

Innovative devices for Enterprise

Latest Windows innovations on your existing PC fleet.

Great mouse & keyboard support
Hardware compatibility
Granular UX Control

Choose from the range of innovative Windows devices.

2-in-1 devices
Surface
Venue
Lumia

Redefine productivity with revolutionary Windows devices.

Surface Hub
HoloLens

Windows 10 as a service

Windows 10 as a service?



Consumer devices



Business users



Specialized systems

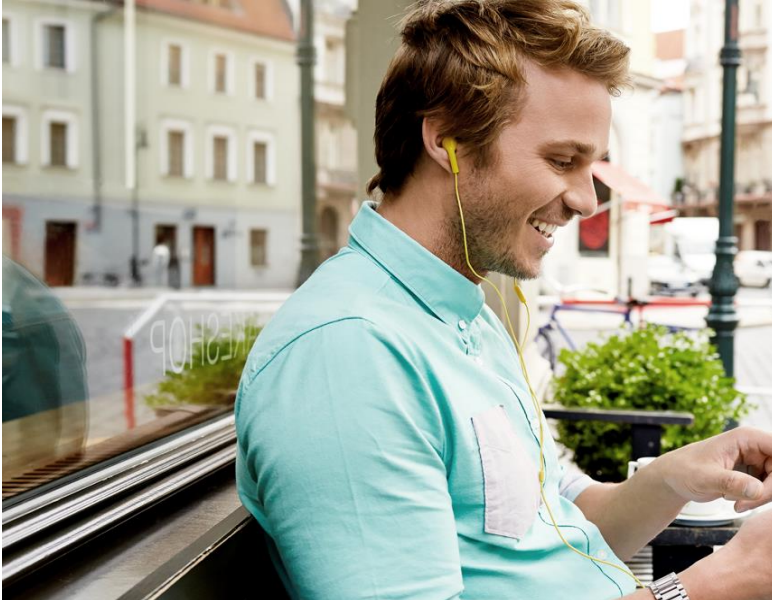
Customers choose the mix of models that is right for them

and security updates as
they arrive

technology with time
to test and deploy in a
business environment

for your mission critical
systems keeping you
in control

Delivering Windows as a service



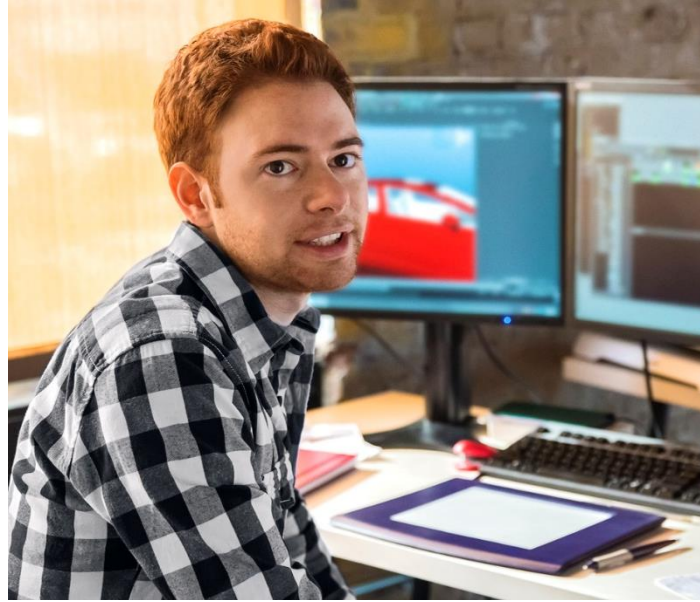
Consumer devices

Updates installed via Windows Update as they arrive

Keeping hundreds of millions of consumers up to date

Large and diverse user base helps drive quality of the OS updates

BYOD devices are up to date & secure



Business users

Update their devices after features are validated in the market



Special systems

Examples: SCADA Systems

No new functionality on long term servicing branch

Regular security updates

Control with WSUS

How do you treat business users?

How should we treat our business users?

Consumer Devices

Updates are installed
as they arrive

- Updates haven't been to the broad market yet;
- You haven't had time to plan and test
- This may be a way to embrace consumerization, BUT....
- Is this the best solution for your users' machines?

Special Systems

This is how we treat many
devices today

- It is expensive
- Your users are not getting access to the latest features
- Competitors may be getting ahead with more advanced devices for their users

What are our adoption needs:

AGILITY

Access to new technology

Quickly implementing
customer feedback

Transparency on the IT roadmap

Enterprise-grade capabilities to
help address the latest trends
in the market

Flexibility for mixed environments

CONTROL

Stability

Fewer upgrades

Long support lifecycle

Ample time to test and certify

Predictability

Cool Devices

Treat them as “prosumers”

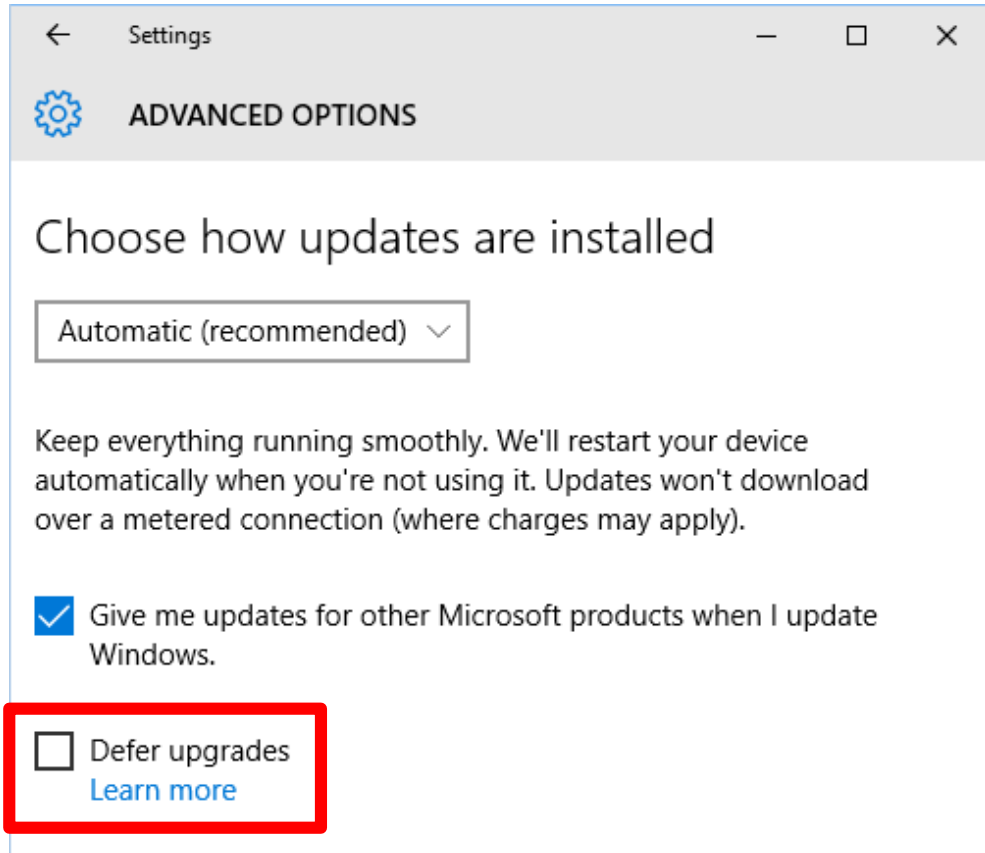
Update their devices after features are validated in the market

- Organizations gets access to the latest technology and value sooner
- You have time to plan and test the updates after they have been released to the broad market

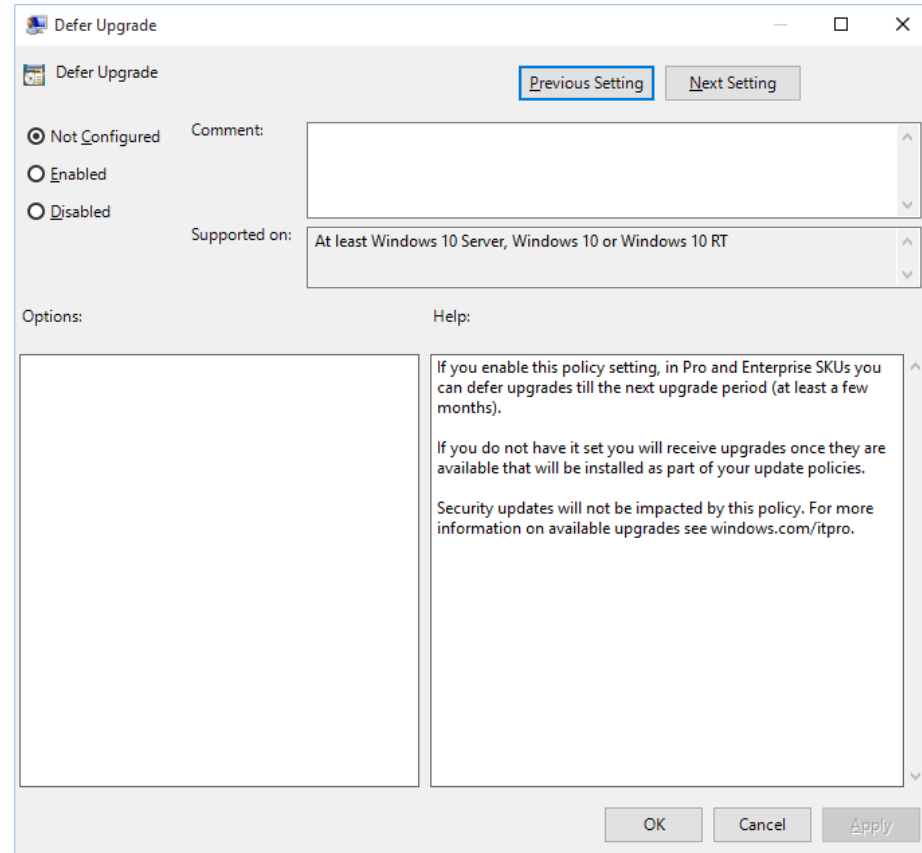
Deploy via your existing tools or
Windows Update for Business



Configuring to receive feature upgrades via CBB



Settings-> Update and Security-> Windows Update -> Advanced Options



Computer Configuration -> Administrative Templates -> Windows Components -> Windows Update

If you are using WSUS or ConfigMgr, the setting doesn't really matter. Affects Windows Update.

Windows 10 Update for Business

Windows 10 Update for Business

Keeping devices secure and up-to-date

Reducing device management costs

Quick access to latest security updates

Capabilities

Time to test
and validate
feature updates

Ability to
create internal
deployment
groups

Maintenance
windows to
align with
business rhythm

Peer to peer
delivery to
optimize for
bandwidth

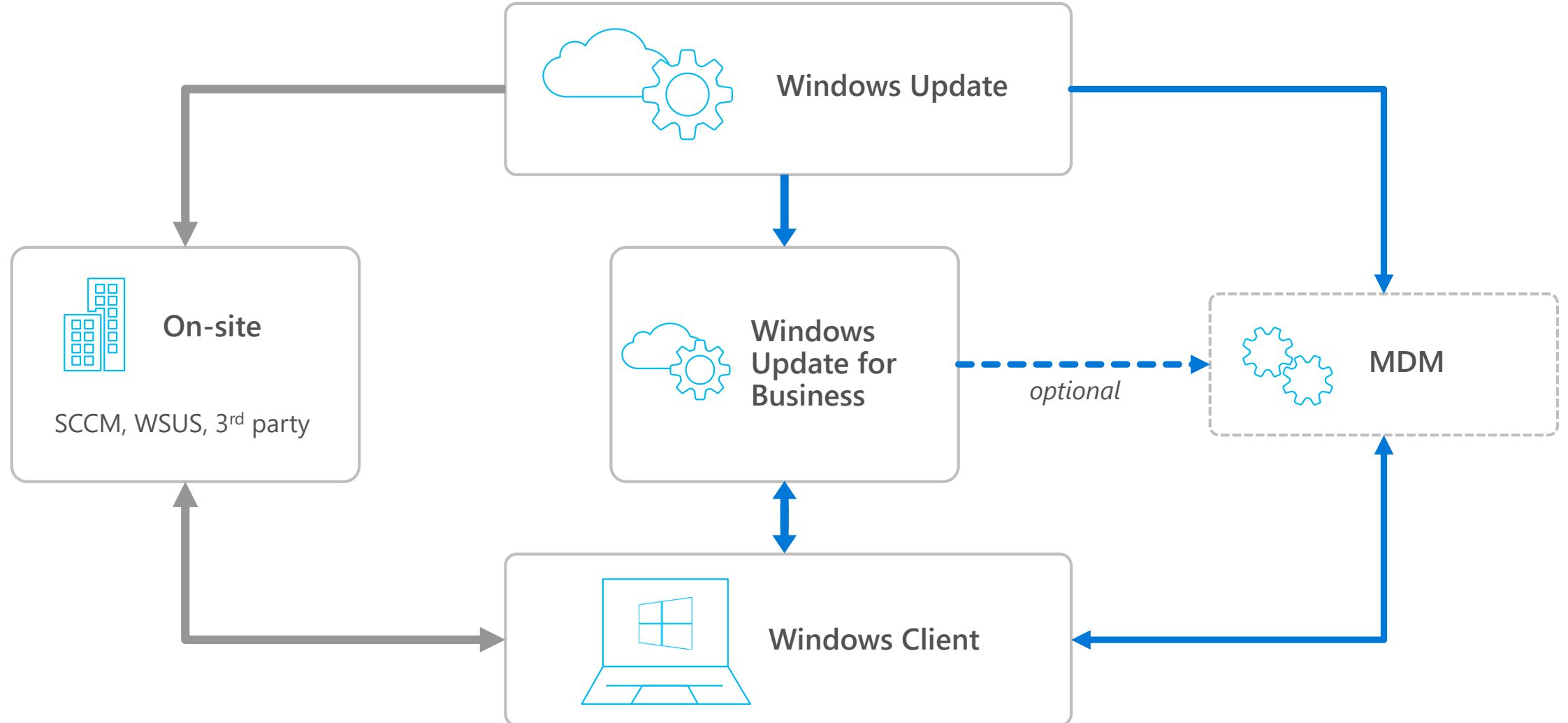
Integration with
your existing
tools like System
Center

Access to Current
Branch and
Current Branch
for Business



Windows Update for Business

Works with what you have today



Windows 10 Enterprise Deployment

The End of Wipe and Reload!

Managed in-place upgrade

Runtime configuration –
customize without imaging

Reduced validation
and deployment costs



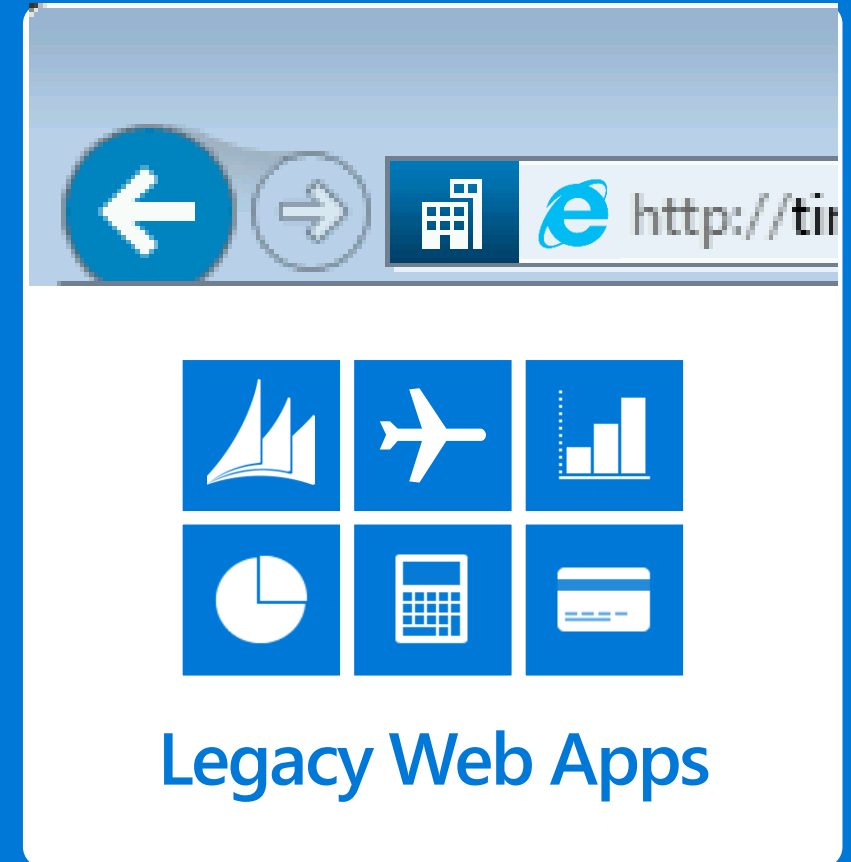
Windows 10 Enhancements for Internet Explorer 11

Help with Compatibility Issues

- Enterprise Mode, offering improved Internet Explorer 8 compatibility and document type overrides
- Enterprise Site Discovery Toolkit, to better understand how users are browsing
- All capabilities will be carried forward to Windows 10

A Natural Stepping Stone to Windows 10

- Migrate to Internet Explorer 11 on Windows 7 to prepare
- <http://blogs.msdn.com/b/ie/archive/2014/08/07/stay-up-to-date-with-internet-explorer.aspx>



Deployment Choices

Wipe-and-Load

Traditional process

- Capture data and settings
- Deploy (custom) OS image
- Inject drivers
- Install apps
- Restore data and settings

Still an option for all scenarios

In-Place

Let Windows do the work

- Preserve all data, settings, apps, drivers
- Install (standard) OS image
- Restore everything

Recommended for existing devices (Windows 7/8/8.1)

Provisioning

Configure new devices

- Transform into an Enterprise device
- Remove extra items, add organizational apps and config

New capability for new devices

Moving In-place

➔ Preferred option for enterprises

- Supported with Windows 7, Windows 8, and Windows 8.1
- Consumers use Windows Update, but enterprises want more control
- Use System Center Configuration Manager or MDT for managing the process
- Uses the standard Windows 10 image
- Automatically preserves existing apps, settings, and drivers
- Fast and reliable, with automatic roll-back if issues are encountered

➔ Simplified process, builds on prior experience

- Popular for Windows 8 to Windows 8.1
- Piloted process with a user to upgrade from Windows 7 to Windows 8.1, as a learning process
- Feedback integrated into Windows 10 to provide additional capabilities for automation, drivers, logging, etc.
- Working with disk encryption

Provisioning, not reimaging

➔ Take off-the-shelf hardware



➔ Apply a provisioning package



➔ Device is ready for productive use



Provisioning, not reimaging

Transform a Device

- Enable the Enterprise SKU
- Install apps and enterprise configuration
- Enroll the device to be managed via MDM

Flexible Methods

- Using media, USB tethering, or even e-mail for manual distribution
- Automatically triggered from the cloud or connection to a corporate network
- Leverage NFC or QR codes



Traditional Deployment

Enhancements to existing tools

- New Assessment and Deployment Kit includes support for Windows 10, while continuing to support down to Windows 7
- Minor updates to System Center 2012 to add support
- Minor updates to Microsoft Deployment Toolkit 2013 to add support

Minimal changes to existing deployment processes

- Will feel “natural” to IT Pros used to deploying Windows 7 and Windows 8.1
- Drop in a Windows 10 image, use it to create your new master image
- Capture a Windows 10 image, use it for wipe-and-load deployments

Consider Your Deployment Approach

Running Windows 7?

Evaluate Windows 8.1 for touch scenarios today.

Upgrade to Internet Explorer 11 by January 2016. **Plan** for Windows 10 for all devices

Running Windows 8?

Upgrade to Windows 8.1 by January 2016. **Plan** for Windows 10 for all devices.

Evaluating, Deploying, or Running Windows 8.1?

Keep going!

Upgrade to Windows 10 when released across all devices

Windows 10 App & Device Compatibility

App & Device Compatibility

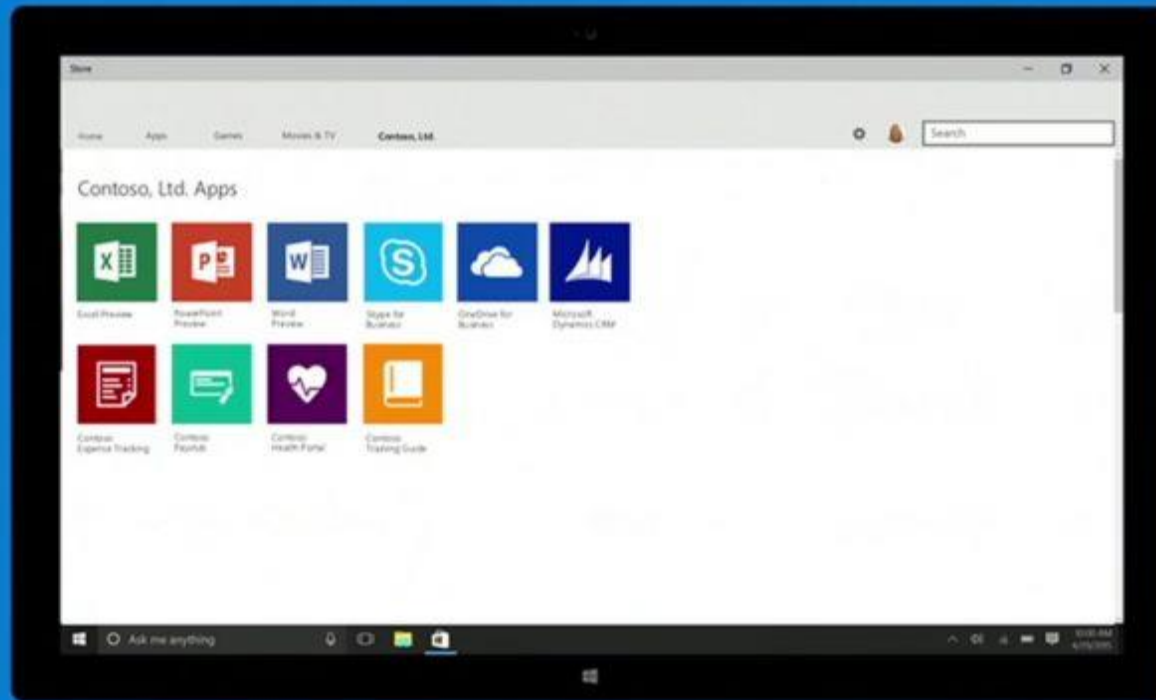
Hardware requirements
are unchanged

Strong desktop app compatibility

Windows Store apps are compatible

Internet Explorer
enterprise updates

Windows Store for Business



Same experience
for end users

Highlight consumer apps
+ private LOB apps

Business payment methods

Windows 10 Devices – NEW TOYS!

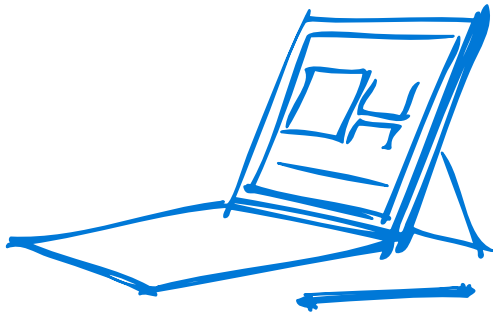
Microsoft Surface

...

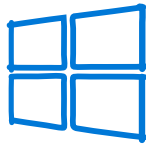
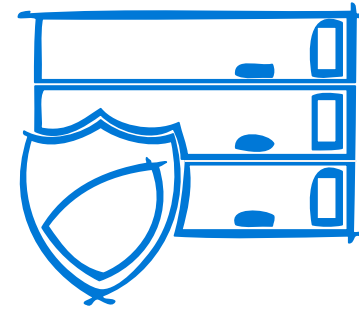


Devices that bring consumer wants to business needs

Loved by users



Trusted by organizations



Microsoft Azure



Surface Pro 4

The tablet that can replace your laptop



Faster, quieter, higher resolution

*30% faster than
Surface Pro 3*

*60% faster
than MacBook*



*5 million pixels
crushes retina*

Intel™ Core® "SkyLake" M/i5/i7

Faster processing, yet less heat

Brilliant screen with highest resolution

Up to 16GB RAM

Surface 3

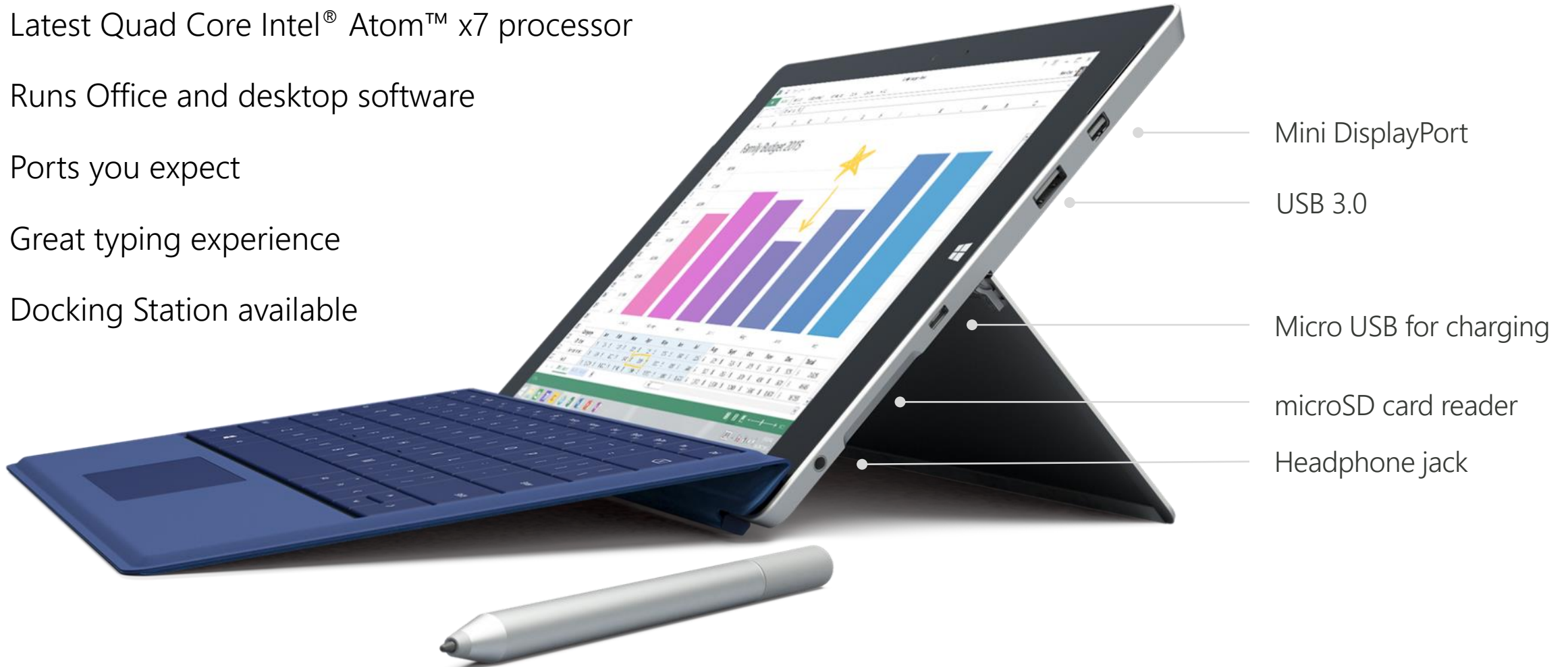
Latest Quad Core Intel® Atom™ x7 processor

Runs Office and desktop software

Ports you expect

Great typing experience

Docking Station available



Surface Book

Latest Intel® Core™ processors and up to 16GB RAM

12 hours of battery life

Dolby® speakers for enhanced, high-quality sound

5MP front, 8MP autofocus rear cameras



Ultimate versatility

Optional graphic GPU

Laptop with integrated keyboard & trackpad

Meticulously crafted and ultra-thin

Canvas mode allows you to annotate documents, write out math equations or sketch designs.

Plenty of ports: USB, SD Card, miniDisplayPort



Microsoft Surface Lineup



Surface 3

Perfect for those who prioritize thin, light and ultra-portable at a great price.

Beats iPad because: it runs desktop software, has many ports, plus type, mouse, and pen functionality.



Surface Pro 4

Perfect for those who want a larger 12.3" screen and extra processing power.

Beats notebooks because: it's thinner, lighter, and more versatile, with instant on and touch and pen functionality.

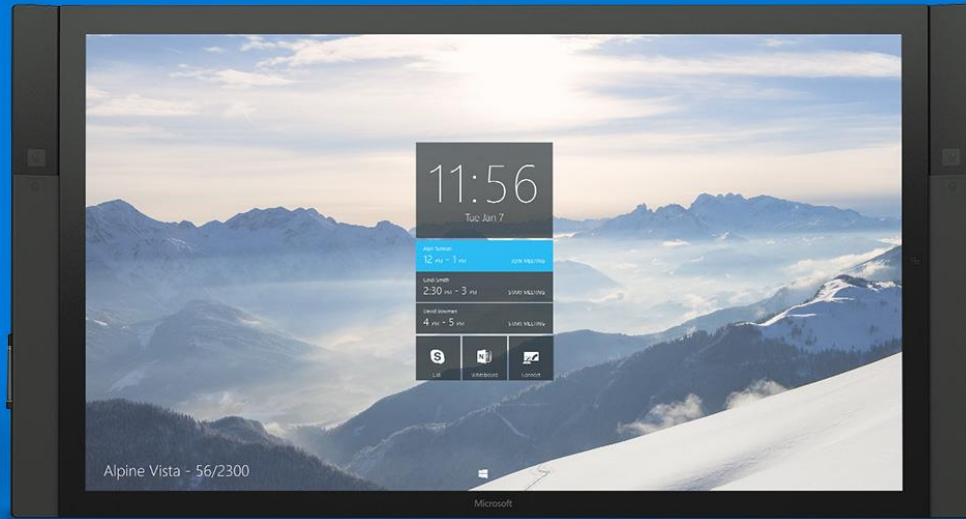


Surface Book

Perfect for those who want the ultimate laptop with discrete graphics.

Beats laptops because: it works in clipboard mode, works with touch and pen, and integrates Windows Hello and Cortana.

Other Windows 10 Devices



Mobile Devices

 Windows 10 will be available on



Lumia 5xx

Lumia 520
Lumia 530
Lumia 521
Lumia 525



Lumia 62x

Lumia 620
Lumia 625



Lumia 63x

Lumia 630
Lumia 635



Lumia 7xx

Lumia 720
Lumia 730
Lumia 735



Lumia 8xx

Lumia 810
Lumia 820
Lumia 822



Lumia 9xx

Lumia 920
Lumia 925
Lumia 930



Lumia 1020



Lumia 1320



Lumia 1520

Thank you for your time.
Questions?