

INFRASTRUCTURE SUMMIT 2019

Patching With People Who Know

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Get-Experts -Category Patching

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Shortest TrueSec Member



Tallest TrueSec Member

Likes Ramen



Likes Sugar

Patching Agenda

- Stop the patching madness
- Start planning for success
- Avoid the common pitfalls
- Validate you've achieved success

Stop the Patching Madness

STEPS FOR YOU

- Admit patching is hard
- Admit there is no set it and forget it solution.
- Accept that unless you have a lot of time and money 100% is a unicorn

STEPS FOR MANAGEMENT

- Accept that 100% is almost undoable
- Accept that automation of the process allows more time for manual remediations.
- Accept that patches ARE low risk change - mostly

Stop The Patching Madness

- Get out of your own way
- Start looking for ways to automate
 - Remove excuses or artificial automation fears
 - Get started with Automatic Deployment Rules
- Document a plan to handle what doesn't go as expected.
- Understand that while 100% is challenging and not always possible it's a good outlook to have.

Planning for Success



PLANNING





MUCH WORK REMAINS TO BE DONE BEFORE WE CAN ANNOUNCE
OUR TOTAL FAILURE TO MAKE ANY PROGRESS.

How to succeed at something we never plan to finish

- Collection Structure
 - Deployment Collections
 - Maintenance Window Collections
- Automatic Deployment Rules
 - How many do we need
 - How do we run and maintain them
- Software Update Content
 - Managing the content volume
- Reporting on True Success

Collection Structure

- Decide on a naming structure
- Use Keys or Tags

Deployment Collections 4 items	
<input type="text" value="Search"/>	
Icon	Name
	SUM - SRV - AUTOMATIC
	SUM - SRV - AVAILABLE
	SUM - SRV - MANUAL
	SUM - WRK - Pilot

Maintenance Structure

- Make a *Decision* on Maintenance Window Collections
- Decide on what type of maintenance windows you are going to use
- Know and decide if you are going to change the Client Setting introduced in 1806
 - This client setting alters the behavior of maintenance windows of “All Deployment Types”
- Decide if you are going to be an offset organization or a recurring window organization

Recurring Maintenance Windows

PROS

- Makes scheduling easier
- Set it and forget it
- Multiple changes to patch servers/workstations with recurring schedules

CONS

- Can't account for holidays
- Because of the Gregorian calendar "Third Wednesday" moves.
- Difficult to stop or cancel for just one month

Offset Maintenance Windows

PROS

- Allows more consistent patch timing
- Follows our goal of patch compliance X Days from Patch Tuesday
- Allows us to disable patching for 1 month.

CONS

- Requires at least yearly maintenance.
- Requires stake holders to think in the offset mentality.
- If you miss the window no refunds.

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Collections and Maintenance Window Demo Time

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Creating Automatic Deployment Rules Demo Time

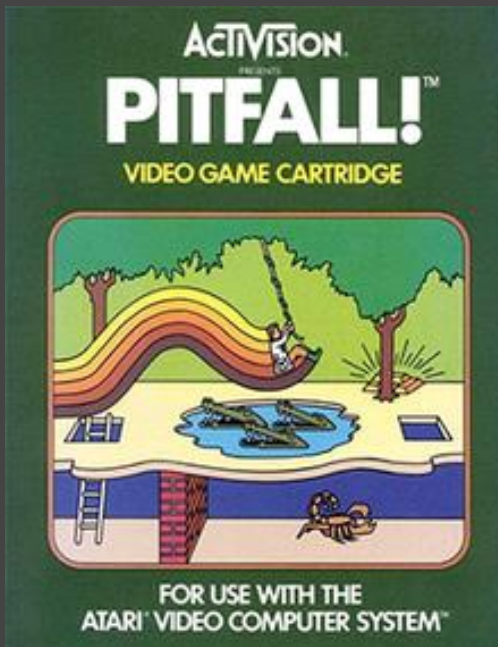
Common Questions

- Automatic Deployment Rules
 - How many do you really need
 - Timing of Automatic Deployment Rules
 - Creating the “Right Rules”
 - Deployment Settings are your friend
 - The “New” vs. “Re-Use” argument

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WSUS Clean Up Demo Time

Avoiding Pitfalls



Avoiding Pitfalls

- WSUS Maintenance
 - The smaller your resource pool the more aggressive you need to be.
- Maintenance Window Madness
- WSUS Synchronization Schedules
 - On the GLOBAL stage
- Reporting the wrong information
- Using Required

Avoiding Pitfalls

PATCHING IS REBOOTING

This Sounds like a lot of work...

#MEM - #Intune?

PROS

- Easy Update Rings
- True Set it and Forget it
- No Infrastructure
- NO WSUS
- Easy Roll Back Options

CONS

- No real patch exclusion
- Semi-Truck - No Brakes
- Maintenance Windows?
- Server Management?
- Windows 7?

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Intune Patching Implementation Time

Proving We Did a Good Job

- Don't believe the "Deployment Status" lies
- Believe in "Compliant" - Most of the time
- Abandon SSRS - it's too clunky and it's future in the Cloud management Space is limited
- PowerBI - Community Template

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PowerBI Implementation Time

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Questions?