# Set Update Max Execution Time

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## Summary

Sometimes the default value for an updates Max Execution time is too low and the result is a failed patch installation. The Security team has identified the types of updates that usually cause this. Instead of relying on a manual request process for increasing this value we have developed a script that will accept parameters for TitleCriteria and Minutes value and sets the Max Execution Time to the chosen value for all matching updates.

\*Security Monthly Quality Rollup\* -Minutes 180

\*Feature update to Windows 10 (business editions)\* -Minutes 360

\*Cumulative Update for Windows Server 2016\* -Minutes 180



\*Cumulative Security Update for Internet Explorer\* -Minutes 180

The criteria can be modified by request when needed

## Business Case

Decrease patch installation failures due to Timeouts.

Requested by Ward Lange ( ITS Security / LEAN )

## Systems Impacted

* SCCM 2012 PROD
* LEAN Project – Server Patching Initiative

## Service Impact Assessment

* What is the business impact?
  + The manual process is not reliable
* Where is the business/end users located?
  + LEAN project is global
* Where is the location of activity (where the CI's are located)?
  + SCCM is Global
* What is the scheduling and length of the actual outage/performance degradation?
  + No Outage is required
  + No performance degradation is expected
* Is the appropriate communications planned before a change will be implemented (Business/Accenture/etc.)?
  + Communicated to the SCCM team during testing and implementation
* Is the appropriate communications planned after a change is completed
  + Yes
* Does this change have a GxP impact and if yes is Quality aware of the change?
  + No GxP impact
* What are the dependencies for this change?
  + Functioning SCCM environment
  + A list of update title criteria that defines the problematic updates
* Can the change lead to possible collisions?
  + This change will not impact other changes
* Does the change have transversal impact?
  + This change has no transversal impact
* Has the change been successfully tested in a DEV/Test environment
  + This change procedure has been peer reviewed and executed successfully in the SCCM DEV & PREPROD environment

## Test Plan

Develop in DEV, Peer review in PROD, Post installation testing in PROD

## Communication Plan

Communicate to the SCCM team both pre and post change

Communicate to the LEAN project that the change was implemented

## Detailed Implementation (Installation) Plan

1. Copy the folder contents of [\\RESSWCMSTMP01\Temp$\Scripts\SetUpdateMaxExecutionTime](\\\\RESSWCMSTMP01\\Temp$\\Scripts\\SetUpdateMaxExecutionTime) To the PROD Orchestrator server XSPW10X060S E:\ScheduledTaskScripts\SetUpdateMaxExecutionTime
2. Create a scheduled task to execute SetUpdateMaxExecutionTime-PROD.bat daily at 7:15 AM







## Post Implementation Test Plan

1. Change the Max Execution Time value for an update that mates the TitleCriteria
2. Manually execute the scheduled task
3. Verify the value was corrected to value defined

## Back Out Plan

Disable the scheduled task or remove the \*SCHED tags from the ADRs