Invoke-WsusMaintenancePowerShell Script

Description

Runs WSUS maintenance tasks by performing various optimization and cleanup tasks.

Use Case

Maintaining a clean, lean WSUS server and to improve overall performance.

Design

The solution consists of a powershell script and various other resources which are stored in the Resources folder.

Invoke-WsusMaintenance.ps1

Notes This is the main script and as with the whole solution needs to be ran from the WSUS server.

Prerequisites

The Invoke-SQLcmd commandlet is needed. In order to install it you need to run the command below. This module will be included in the final version.

Install-Module -Name 'SqlServer'

Parameters

-Task

Specifies maintenance task to run. Valid values are:

- DisableDriverSync Disables driver synchronization, major performance improvement.
- OptimizeConfiguration Optimizes WSUS configuration, by setting recommended values.
- OptimizeDatabase Optimizes WSUS database, by adding and rebuilding indexes, and applying a performance fix for delete updates.
- DeclineExpiredUpdates Declines expired updates.
- DeclineSupersededUpdates Declines superseded updates.
- CleanupObsoleteUpdates Cleans up obsolete updates.
- CompressUpdates Deletes unneeded update revisions.
- CleanupObsoleteComputers Cleans up obsolete computers that are no longer active.
- CleanupUnneededContentFiles Cleans up unneeded content files that are no longer referenced.

-ServerInstance

Specifies a character string or SQL Server Management Objects (SMO) object that specifies the name of an instance of the Database Engine. For default instances, only specify the computer name: MyComputer. For named instances, use the format ComputerName\InstanceName. By Default the SQL Server instance is autodetected.

-Database

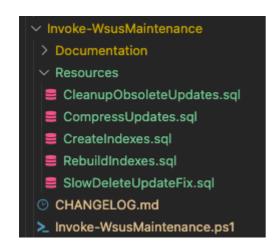
Specifies the name of a database. This cmdlet connects to this database in the instance that is specified in the ServerInstance parameter. Default is: 'SUSDB'

Notes All the tasks can be run by adding a semicolon, after each task.

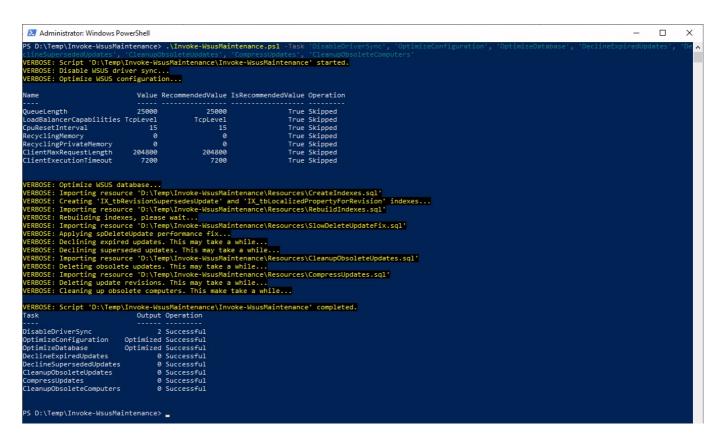
Example

```
Invoke-WSUSMaintenance.ps1 -ServerInstance 'SQLSERVER.contoso.com' -
Database 'SUSDB' -Task 'DisableDriverSync', 'OptimizeConfiguration',
'OptimizeDatabase', 'DeclineExpiredUpdates', 'DeclineSupersededUpdates',
'CleanupObsoleteUpdates', 'CompressUpdates', 'CleanupObsoleteComputers',
'CleanupUnneededContentFiles'
```

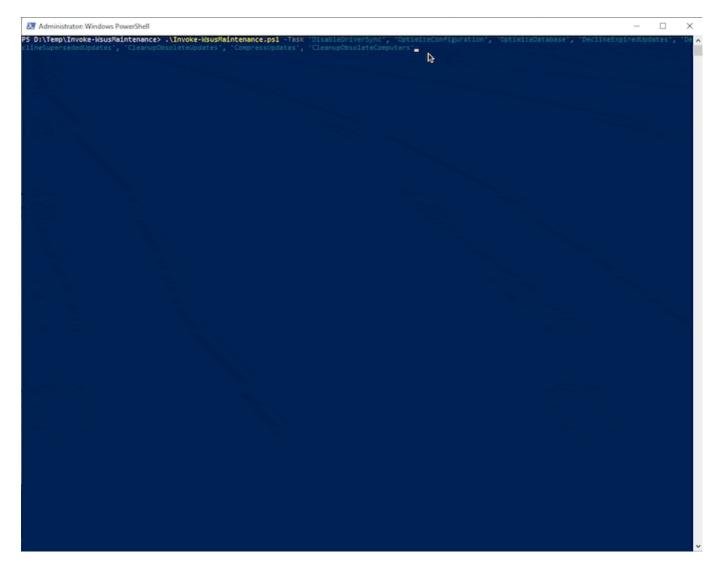
Screenshoots



Script Folder



Script Result



Script Result - Animated