

SPMachineKeys – Guide

SPMachineKeys

PowerShell module for managing SharePoint ``<machineKey>`` values across a farm.

Quick Start (Recommended Run Order)

1. ``BackupAndExport-SPMachineKeys`` – create a point-in-time export/backup
2. ``Set-SPMachineKeyEachWebApp`` – generate/set new keys in config DB per web app
3. ``Invoke-LocalMachineKeyUpdateFarm`` – apply keys to each server (`Update-SPMachineKey -Local`)
4. ``BackupAndExport-SPMachineKeys`` – export again after changes
5. ``Compare-SPMachineKeysInRoot`` – verify what changed across server subfolders

Example

```powershell

# 1) Pre-change backup

\$exportRoot = 'E:\temp\SharePoint\_Config\_MachineKeys'

BackupAndExport-SPMachineKeys -Path \$exportRoot

# 2) Set new keys in the config DB per web app

Set-SPMachineKeyEachWebApp -IncludeCentralAdmin

# 3) Apply the keys locally on each farm server

Invoke-LocalMachineKeyUpdateFarm -RestartIIS

# 4) Post-change backup

BackupAndExport-SPMachineKeys -Path \$exportRoot

# 5) Compare across server subfolders

Compare-SPMachineKeysInRoot -Path \$exportRoot

```

Installation

See the docs/Guide.pdf or README for detailed steps.