# **DP201 - Designing an Azure Data Platform Solution**

## Lab 6 – Designing for Efficiency and Operations

**Exercise 3**

**Task 1: Use automation to reduce effort and error**

Use the table below to list the options for automation languages and approaches

|  |  |
| --- | --- |
| # | Automation methods |
| 1 | Writing powershell scripts for azure resource creation (infrastructure as code) |
| 2 | Automate patching and updates for vm’s and resource governance during off hours if applicable |
| 3 | Automate deployment of vm’s |
| 4 | SQL Server backups for iaas, data factory jobs |

**What is the difference between imperative and declarative automation?**

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| --- |
| How vs what.  Goal of imperative: Automate infrastructure creation using the templates that declarative automation creates.  Goal of declarative: Template out our resources  Procedural scripting language vs. object “storage” languages |