MSModule

# Objectives

#### Establish Comprehensive PowerShell and Pester Standards and Best Practices

#### *Artifactory Publication*

#### *Documentation*

#### *Update or feature release*

## Objective 1: Establish Comprehensive PowerShell and Pester Standards and Best Practices

Establish comprehensive coding and testing standards and best practices that should emphasize code reusability and simplification techniques to enhance the quality and maintainability. This includes guidelines for writing modular and efficient code, adhering to naming conventions, and minimizing redundancy.

* Develop clear and concise coding standards documentation as well as for the Pester test cases.
* Emphasize practices that encourage code reusability.
* Highlight techniques for code simplification and readability.
* Ensure adherence to naming conventions for consistency.
* Integration of testing standards into the contribution process.

By achieving this objective, we will create a solid foundation for the MSModule library’s codebase, making it easier for community contributors to develop and maintain high-quality modules.

## Objective 2: Artifactory Publication

* All MSModule(s) should be published to the antifactory as well which should be stage within the Train pipelines.
* The module version should be the same between the VMS and the antifactory.

## Objective 3: Documentation

* Create a user-friendly website with a module searchable interface.
* Release notes should be available on the site.
* All the guidelines, release notes, design and architecture explanations should be included in this site.

## Objective 4: Update or feature release

* Define clear process for releasing either updates of a module or a new module that prevents any potential outages.
* Identify to whom the announcements should be sent whenever there is a change taking place.