Integration Patterns

Version x.x

# Overview

< Brief on what are patterns, and why we need patterns.>

<Brief on what this document provides.>

# Purpose and Scope

<Purpose of this document.>

<Audience for this document.>

<Benefits of this document.>

# Terms and Definitions

|  |  |
| --- | --- |
|  |  |
|  |  |

# Abbreviations

|  |  |
| --- | --- |
|  |  |
|  |  |

# Pattern Template

<Describe purpose of each section within pattern template.>

# References

|  |  |
| --- | --- |
| Best Practices |  |
| Coding Guidelines |  |
| EA Patterns |  |
|  |  |

# Patterns Catalogue

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pattern Name | Source  Type | Target  Type | Pattern Type  (Need to define some category) | Usage Scenario |
|  |  |  |  |  |
|  |  |  |  |  |

# Patterns Selection Guidelines

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Criterion 1  (Ex. Communication Type) | Criterion 2 | Criterion 3 | Criterion 4 | Pattern Name |
|  | X |  | X | Pattern One,  Pattern Three |
| X | X | X |  | Pattern Two |

# Patterns

# Patterns <Name>

# Context

<Why this pattern.>

# Scenarios

<The scenarios this pattern addresses.>

# Decision Tree for Selection

<The decision tree to validate fitment of this pattern.>

<The attributes for decision tree can be on timelines, data volume, and technical standards to be followed, tool support or (even) tool limitations etc.>

# Logical Diagram

<The logical diagram representing main components of this pattern.>

<The main components will be source, target, and middleware logical flows to be built.>

# Design Considerations

< The key design considerations.>

# MuleSoft Flow Representation

<version>

<The MuleSoft high level flow representation of the pattern.>

<Link to the template codebase for the pattern.>

<interface, and endpoint configurations>

<Common components to use, maven build >

🡨We can have pattern implementation as Mule Project with placeholders for change/customize – to max extent>

# Usage Guidelines

<The guidelines for developers to implement the pattern with all pre-requisites needed.>

# Error Management

<The error management and recovery approach.>

# Logging Guidelines

<The logging points, information to log guidelines.>

# Other NFR Considerations

<This section should include details on Security, Availability etc.>

# Deployment Guidelines

<The logging points, information to log guidelines.>

# Testing Strategy

<Tools and Mechanism to test this interface.>

# Limitations

<Limitations of the pattern, if any.>

# Pattern reuse / Modularity

<reference to other reused patterns

Patterns using this pattern

Patterns used by this pattern

>