

Functional Specification for <Module Name>

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Version:

1 Introduction

<List proposed feature(s). Introduce the basic vocabulary. Why is this interesting? List capabilities that may be normally expected, but are not being supported. Are there any limitations and caveats that need to be disclosed?>

2 Design Overview

<Discuss the core concepts and design. Provide conceptual diagrams, if they would be helpful. Show how this sub-system/feature co-exists with other sub-systems. You may write 1-4 pages (can be shorter or longer). This section is should be a map to navigate well documented code!>

3 Quality and Availability

<How do you handle availability concerns? Does this feature introduce any new failure modes? List testing and failure scenarios that quality team needs to worry about.>

4 Performance

<How do you want performance team to measure this sub-system? Any micro benchmarks necessary? Any goals? Anticipated scalability limits or goals?>

5 Management and Monitoring

<Describe how performance, management status, and diagnostic information is exposed. How does this feature handle dynamic configuration changes?>

5.1 Formal Interfaces

<How is this feature(s) configured by administrator? Does it introduce new commands or modify existing ones? Show syntax of expected administrative commands and response codes. What is the schema/syntax for new configuration in domain.xml? Show the DTD snippets later in this section. What are their default values? What are the validation rules? Think about the stability level for each of the above. Are you expecting that the proposed design will change?]

6 Packaging, Files, and Location

<Does this feature add new jar files or extend existing ones? Where are they located?>

7 Documentation Requirements

<List the required documentation to support this product feature.>

8 Open Issues