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| **Application Runtime Proposal Template** | | |
| **Owner**:  **Work-Group:**  **Short self link:** https://goo.gl/fAFwgT  **Reviewers**: xxxx[ ], xxx [] | **Status**: WIP | In Review | Approved | Obsolete **Created**: MM/DD/YYYY  **Release Version:** N/A  **Approvers**: xxx [], xxx [] | |
|  | | |

# 1. Summary (what is this document about?)

<role> wants to <use this feature> so that <problem they have is solved>.

Portfolio Epic Label: <common epic label tagged to applicable stories across teams’ backlogs in order to improve our ability to predict when we will solve this problem>

Contributing Teams:

1. <List of teams required to contribute in order to achieve the Feature Narrative + summary of their scope/responsibilities>

Useful Links:

* <any useful links pin at the top>

# 2. Problems this Feature Narrative Solves

Summary of which user or buyer persona has this problem and what the problem is.

Real-world examples of potential and actual customers who have this problem.

# 3. Community Goals (why do this and by when?)

<define any [community goals](https://www.cloudfoundry.org/governance/) this feature narrative is intended to achieve such as:>

* <How it aligns with community’s goal to deliver continuous quality>
* <How it helps promote the common business interests of users, operators, and providers of CF technology>
* <How it helps provide value and promote innovations to users, operators, and providers of CF technology>

<define the degree to which there is a time criticality to deliver this and why>

# 4. Product Goals (what solution will we implement?)

## Solution Description

<Introduction of the solution we want to deliver for context>

## User Workflows

<Summarize workflows that describe each relevant user persona’s goals and tasks to achieve the goal>

<user1 can achieve workflow goal x>

* <user’s first task to achieve this goal>
* <user’s Nth task to achieve this goal>

<user2 can achieve workflow goal x>

* <user’s first task to achieve this goal>
* <user’s Nth task to achieve this goal>

## Feature Epic(s)

<Describe the feature epics team will work on to achieve the workflows above>

* Team 1
  + <One sentence summary of Epic #1>
  + <One sentence summary of Epic #2>
* Team 2
  + <One sentence summary name of Epic #1>

## Anti-Goals

<Describe any anti-goals to be avoided>

# 5. Risks and Unknowns

<list any serious risks and mitigation strategies that have a meaningful effect on ensuring success of this Feature Narrative>

<list steps required to resolve unknowns that block the work from starting>

<things to consider: examples: how does this affect our security posture? How should we consider user privacy as we build this feature?

# 6. Quality and Maintainability Plan

<list any quality requirements specific to the feature and strategies (beyond standard TDD / XP practices) that will have a meaningful effect on ensuring quality and maintainability once delivered. Some standard considerations include:>

* **Burn-in** - Will the feature be deployed to a long lived web services environment or customer-facing deployment prior to delivery ?
* **Load Testing** - Have we run this at increasing levels of load, ideally we want to get to the edges of the product before our customers do?
* **Performance Testing** - Coupled with above, do we see any performance degradation when at this level of load?
* **Upgrades / Deployments** - Have we validated that zero downtime is working? that applications successfully move / rebalance & perform the expected behavior
* **Backup / Restore** - If this is needed have we built it, fire drilled it and tested continuous restore?
* **Operations** - How does an Operator (or other applicable persona) know...
  + how to operate this feature?
  + when it is broken?
  + when it is performing badly?
* **Failure Modes** - How could the feature / product fail in customers’ production environments or cause other CF components to fail?

<list any measures / metrics that indicate success upon delivering the feature>

# 7. Feedback from Customers and Stakeholders (How do we know if this is successful in solving the problem?)

<Note down observations / feedback from customers, PMM, sales/FEs, engineers on relevant teams, other PMs, foundation, etc..>

<Note down by what measurements will we know if we were successful in solving the problem or not>

# 8. Scoping Estimate

<An area to summarize the estimated scope of work in terms of time. Please estimate whether each item is more likely to be a day, a week, a month, 3 months, 6 months or a year.>