

# Concepts and Ideas

## Concepts and Ideas

These pages contain concepts and ideas under development for future inclusion in Sling.

### [Sling API Redesign](#)

(IMPLEMENTED)

### [Module Reorganization Proposal](#)

IMPLEMENTED

### [Everything is a Resource](#)

Taking the JCR Paradigm Everything is Content to Sling (IMPLEMENTED)

### [Effective Exceptions](#)

We should define the SlingException as a RuntimeException and use it as the base class for all exceptions defined in the Sling API. (IMPLEMENTED)

### [Thoughts on Release Management](#)

Version Number and Release Planning Concept (IMPLEMENTED)

### [Resource Type Overwrite](#)

#### [Add ResourceResolverFactory Service Interface](#)

Easier and more flexible access to ResourceResolver instances providing the ResourceResolverFactory interface in the Sling API and allow for the extensibility of the factory using new ResourceResolverProvider services. (IMPLEMENTED)

### [Flexible Resource Resolution](#)

Extend resource resolution with an integrated and flexible mechanism (IMPLEMENTED)

### [Updating the Sling Launcher](#)

How we could get the Sling Launcher to be updated through management interfaces such as the Felix Web Console or the Felix Shell. (IMPLEMENTED)

### [Multitenancy Support](#)

With support for virtual host resolution we made a first step towards multitenancy support. I would like to propose a further step to provide a basis for further multitenancy support throughout Sling.

### [Authentication Initiation](#)

How to generalize initiation of the authentication process. (IMPLEMENTED)

### [Resource Resolution Plugins](#)

Further enhancements to the Flexible Resource Resolution (DRAFT)

### [Donating Jackrabbit Integration to Apache Jackrabbit](#)

(NO FURTHER WORK DONE)

### [User Authentication](#)

Separating authentication from ResourceResolver access (amending Add ResourceResolverFactory Service Interface) (NOT IMPLEMENTED)

### [Multiple Workspace Support](#)

#### [Supporting CRUD](#)

#### [Service Authentication](#)

Introduce new service level authentication to replace loginAdministrative (PROTOTYPE)

### [Observation usage patterns](#)

#### [Solving the Authentication Handler Credential Validation Problem](#)

Define a mechanism to allow an Authentication Handler to validate the user's identity and signal that to the ResourceResolverFactory in the authentication information.(DRAFT)

### [Sling Feature Flags support](#)

[YAMF - Yet Another Model Factory](#)

[Health Checks Executor Design](#)

[Proxy Server Resource Provider](#)

Definition of a ResourceProvider infrastructure to enable supporting HTTP proxy functionality for Sling (DRAFT)

[Replication - HTTP API \(proposal\)](#)

[Multitenancy Support Integration](#)

[Multitenancy scenarios and use cases](#)

Describes different scenarios and use cases from the real world that the Sling Tenant implementing is supposed to fulfill.

[Sling NG Launcher](#)

[Move from Subversion to Git](#)

In progress

[Ideas for a multi-tenant and multi-module content model](#)

[Sling SVN repository structure](#)

OUTDATED - Sling has moved to Git

[Startup Handling](#)

[Sling Models 2.0 Roadmap](#)

[Initial Module Cleanup, 2016 - moving "dormant" Sling modules to /attic](#)

IMPLEMENTED

[Moving the Sling Launchpad to use released artifacts only](#)

IN PROGRESS

[New JSON library](#)

Under discussion

[Object Conversion for ValueMaps](#)

[Sample projects review and move to attic - October 2017](#)

Status: Implemented, 2017-10-12

[Sling module descriptor](#)

STATUS: implemented as of 2017-11-15

[POST Processing enhancements](#)

[Extend the Sling IDE tooling beyond Eclipse](#)

Status: proof-of-concept

[Moving integration tests closer to the code they test](#)

STATUS: PROPOSAL

[Scaling Sling Development](#)

STATUS: PROPOSAL