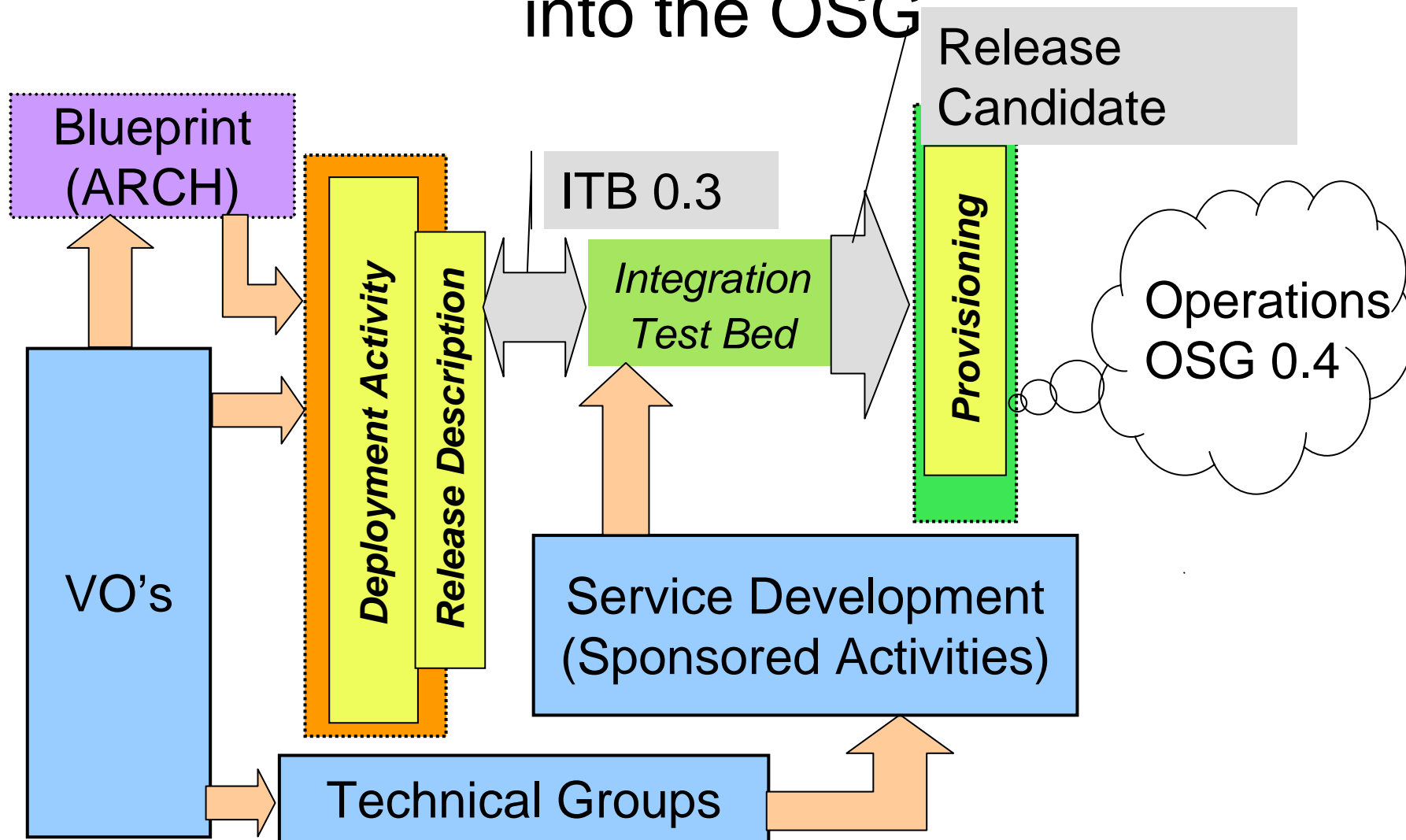


Integration TestBed (iTb) and Operations Provisioning

Leigh Grundhoefer

Architecture, Requirements and Services into the OSG



NewOSGServices

- ↓ Introduction
 - ↓ Description of the Service
 - ↓ Dependencies and Other Services
 - ↓ Required Resources
 - ↓ Server Requirements
 - ↓ Packaging
 - ↓ Installation and Configuration
 - ↓ Test Harness
 - ↓ Validation
 - ↓ Contact Information
 - ↓ More Documentation
-

Introduction

New services may be introduced into the OSG at any time. The OSG Integration Activity aims to facilitate integration of new services with existing services and core infrastructure. The process is driven by *service proponents*, experts behind the service providing the technical know-how for successful integration. This may involve formation of an OSG Activity depending on the scope and scale of the project.

- **Service Readiness Template:** the following is a simple outline for service proponents to follow while preparing services for the OSG integration testbed.

Service Description

- Provide a functional description of the service
- Describe resource requirements
- Describe dependencies
- Describe the integration validation test

Installation and Configuration

- Discuss site-level install & configuration procedures (if applicable)
- Describe ITB-level service installation & configuration (if applicable)
 - GridCat and Monalisa fall into this category
- Delivery method
 - e.g. Tools used (Pacman, RPM, via GRAM)
- Configuration high points
 - Main set of issues that require attention

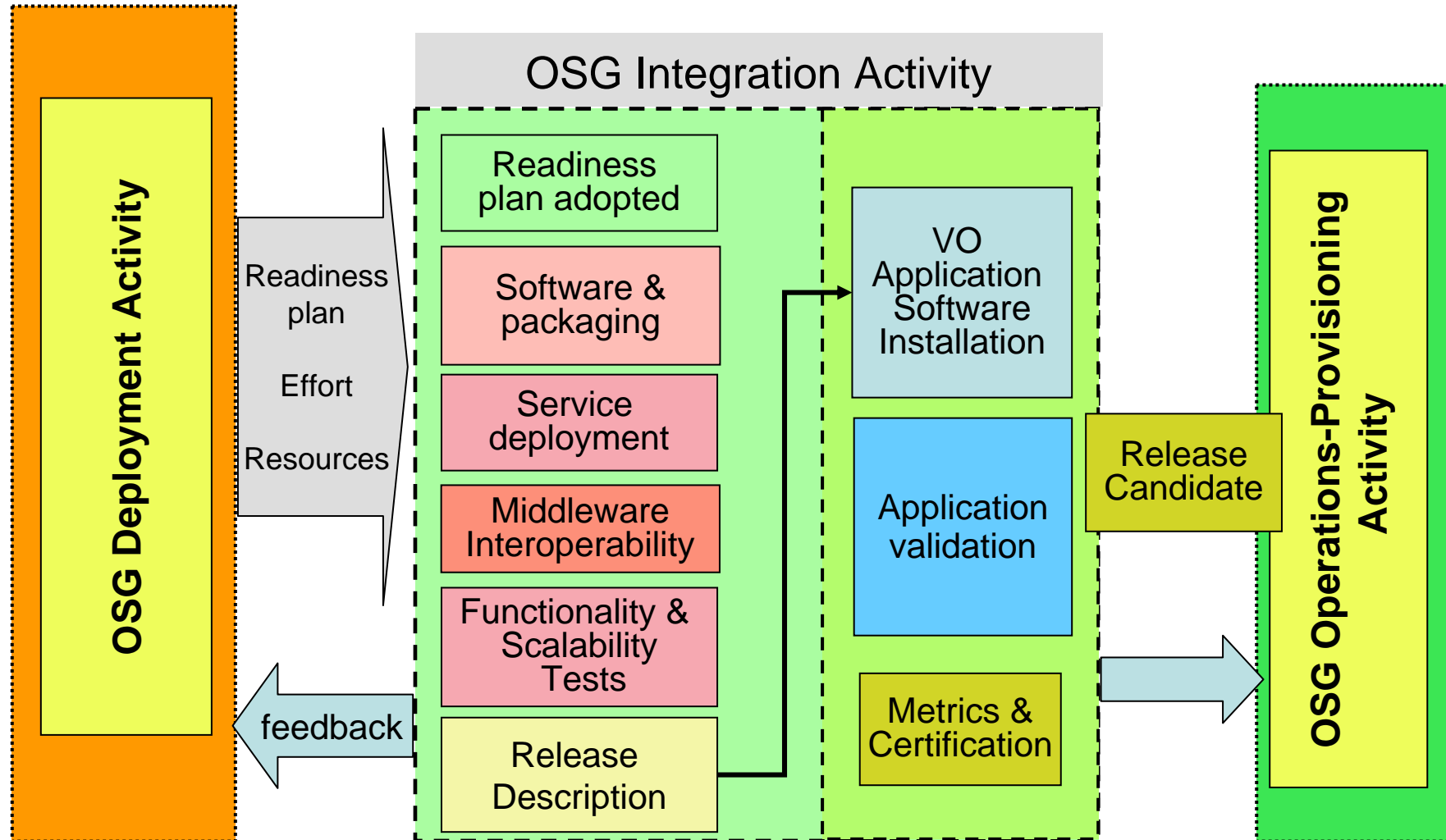
Test and Validate

- The service is considered tested after:
 - site level test (post-install):
 - resource provider test:
 - application test:
 - service monitor?
- each of these should be described in terms of *functionality* and *scale*

Support and Documentation

- Information created in the twiki for the iTB Release
- Support to osg-int@opensciencegrid.org
- Or directly to the service providers
- Known Issues updated for the iTB Release

OSG Integration Activity



Provisioning

- Installation cache setup
 - <http://software.grid.iu.edu/pacman/>
 - pacman packages
 - pre-compiled binaries
 - source code (compiled on the site)
 - RPM capable
- Configuration mechanisms
 - VDT setup questions
 - VDT installed configuration_X
 - OSG installed configure_osg

Provisioning



- Documentation
 - Translate OSG information to production operations area
 - Provide timelines for Support Centers and Resources
- Versioning
- Deploy or upgrade grid-wide services

Common Questions

- Why can't we move services through more quickly?
- Why can't the software/software work the first time?