



Service Overview

PDS Technical Session
Sean Hardman

February 14, 2018



Topics



- Overview
- System Flow
- Service Status and Plans
- Wrap Up

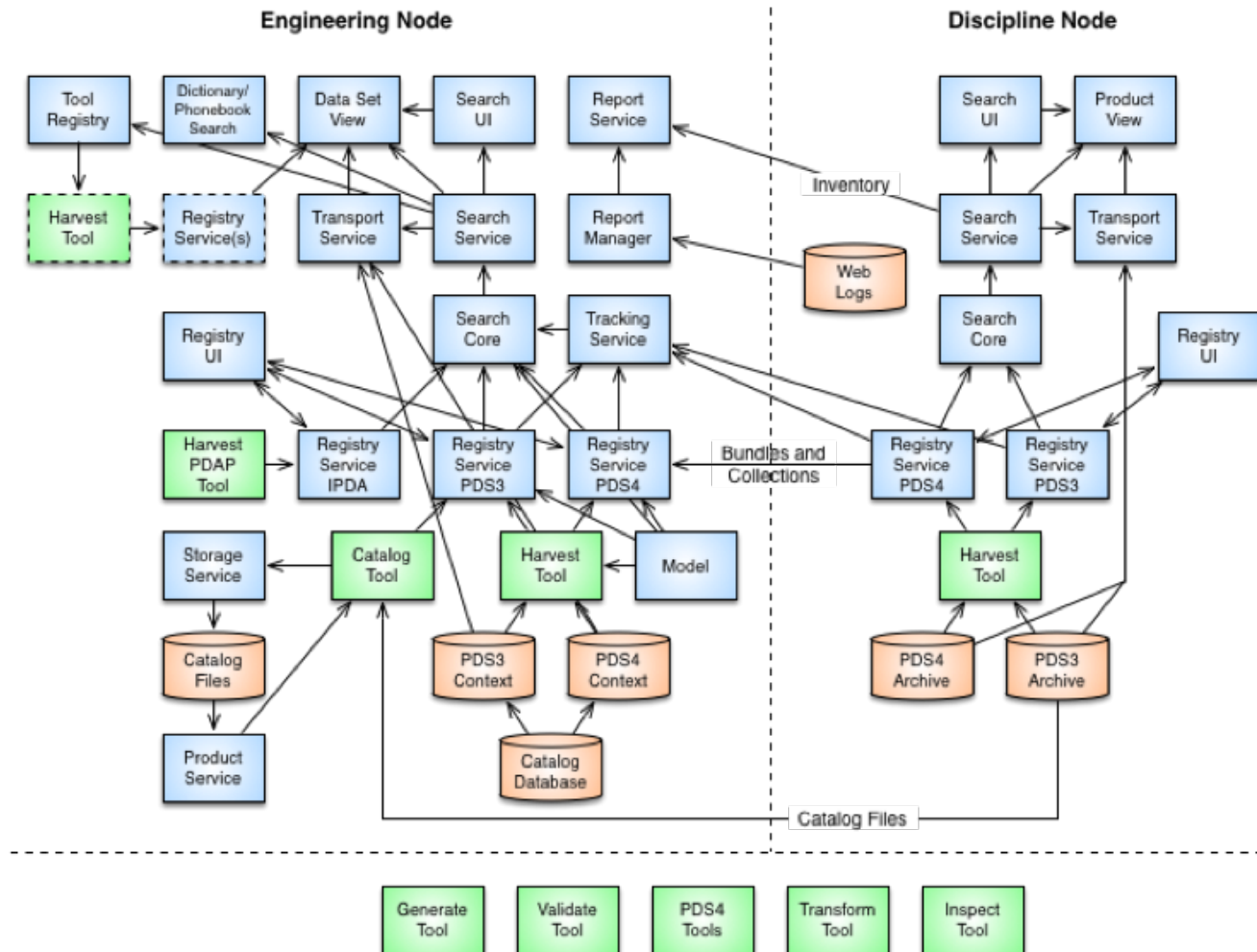


Overview

- Unlike the tools, the services have very little public visibility
 - The exception is the Search UI that serves as the primary interface
- The services include Registry, Search, Transport and Report
 - The tools that support the services (e.g., Harvest, Search Core, etc.) are lumped under this category



Big Picture





Registry, Search and Transport Status



- These core services have been relatively stable for the last few releases
 - Focusing on indexing tweaks to support search result refinement
- Current work is focused on updates to search indexing to support the changes proposed by the Web Interface Tiger Team (WITT)



Registry, Search and Transport Plans



- There are out-year plans for refactoring of these core services
- In the meantime, we have been prototyping a solution for improved and incremental indexing
- Also plan on upgrading Apache Solr and taking advantage of any new features as a result
 - A simplified version of the Search UI is also in the works



Report Service

Status and Plans

- The service has undergone a makeover, swapping out Sawmill with the ELK stack (Kibana, Elastic Search and Logstash)
- Currently running both side-by-side while we test the new implantation
- Once we verify consistent operation, we will work with the Nodes to develop custom reports



Tracking Service Status



- This service is focusing on three main areas:
 - Delivery Tracking
 - Status Tracking
 - Subscription
- Delivery tracking is intended to track product deliveries from instrument teams to the PDS
 - Replicates the functionality of the Cassini Archive Tracking Service (CATS)
 - Working with the Juno DAWG to populate and test the service



Tracking Service

Status cont. and Plans

- Status tracking looks to capture everything from release status, archive status, NSSDCA status and DOI assignments
- Subscription will provide an improved implementation of the current service
- The service will be deployed as part of Build 8b to support delivery tracking testing and population
- The subscription feature will be rolled out as part of Build 9a



Wrap Up

- We will continue to maintain the services with each build
- Anomalies and feature requests may be submitted via JIRA [1] by PDS staff (with accounts)
- Unlike the tools, we are not too motivated to open source most of the service software

[1] <https://pds-jira.jpl.nasa.gov/>

Questions/Comments