

Daimler Icertis - Assessment - Follow-On Activities

Notes from DevOps Team Discussion -

Full build is the current practice for Daimler which is called as PlugIn Build. No Incremental builds is practiced.

Plugin Build Definition builds Plugin Code Changes along with Core and Common Libraries Binaries from Product Artifacts (which gets build as part of Core Build Definition on code commit. The Plugin Full Build is versioned and stored in the ProGet Server.

As practices on Build and Deployment activities, there is one script each for Build Definition and Deployment Definition which is executed by Development team part of solutions engineering group for Daimler. CloudOps team (Purna and Vinod) don't support Daimler-Icertis team Build and Deployment daily jobs.

How long the build takes? Full Build - 30 mins

How many scripts used? Common Libraries are built separately - Core Deployments (UI, API, ContentAPI, TASK)

Plugin Branch - Solutions Engineering - Build Definition - Two Build definition 1. Build definition - one script 2. Deployment definition - one script

How incremental build and full build works? No Incremental Builds. Just Full Builds.

Infrastructure -

Infrastructure Creation is automated

New infrastructure creation and Build Deployment -

Single VM instance - 2hours - Restoration 40 GB Data - 30 mins to 60 mins

VMSS - 4 hours - Restoration 60 GB Data

Sequence of Deployment on Non Prod or Prod Environments -

- P2P + ICM Binary Deployment
- UAT database - Backup
- P2P - Partially Automated
- File Store Sync/Movement
- Binary Deployment
- Sanity Testing - Manual

Components Details – Binary Deployment List

- UI Binaries – Web and Dynamic pages
- API's Binaries – Services
- ContentAccess API's Binaries for Content system
- Task Binaries - For Notifications/Messaging Queue system

Other pointers noted as part of the discussion –

DevOps team will do the deployment on Production using TFS and Manually

P2P - DB Team does it on Production/Non Production

Automation of P2P - with Deployment Pipeline - No Deadline defined yet

Template from Professional Services team to P2P tool to decide on what data to migrate

Question	Answer	Icertis Contact
Does Daimler use Jira Portfolio in Jira instance? If so, can we get screenshots of the Portfolio Plan and details on how it is utilized?	They do not currently use the Portfolio plugin.	Abhijeet
Are production deployments orchestrated via TFS or are they done manually?		

<p>Data points for this release:</p> <ul style="list-style-type: none"> • How many total number of stories? • How many 20 point stories? • How many 13 point stories? <p>Trace a typical 20 point story in a release?</p> <ul style="list-style-type: none"> • Jira issue number for Story • Epic that it belongs to • How many stories in the parent Epic? • What sprint did it: <ul style="list-style-type: none"> • Enter Refinement (how many days in refinement) • Enter Realization (how many days in realization) • Enter Supplier Testing (how many days in supplier testing) • Enter DAG testing (how many days in DAG testing) • Completed • How many TFS tasks for this story? • How many developers working on the story tasks? • How many supplier test cases attached to Story? • What sprint were test cases created? • Estimate of how long it would take to test story? • Tests automated? • How many bugs associated with Story? • For the main developer working on the story: <ul style="list-style-type: none"> • How many Stories did they work on in the release? For each story, include the: <ul style="list-style-type: none"> • Story points • What sprint it was in realization 		
<p>For production deployments, how long is the actuals and can they be run in parallel. Need to get detail steps for each item to see where it can be improved. They also mentioned that the P2P activities would fail for certain validation steps and would require manual intervention. Need to capture the specifics of the data.</p> <ul style="list-style-type: none"> • Backup • P2P • Code Deploy • ES Sync • Sanity • Restore <p>When do you re-enable traffic in production after deployment?</p>		
<p>When does deployment happen in UAT? If it is the same day as QA deploy, do you deploy to UAT first? How do you ensure that all changes that are deployed to UAT have passed Supplier Testing?</p>		