Novartis Engagement

Goal - To build and deploy one click DevOps platform to accelerate quality and delivery for Novartis Data team.

Brief Summary of the Engagement -

Altimetrik DevOps Practice team has engaged with Novartis Data Platform Team to understand DevOps Practice and requirements as part of their Re-Platforming Roadmap as part of the Digital Transformation journey. The following are some of the progress made between July 2019 to Oct 2019.

- Understand on Formula 1 (Re-platforming Initiative) - With Novartis Stakeholders in Prague Spain + Farid & Dean
- High level assessment on Product Groups EDM, DP/A&A, API Gateway, Visualization - With Novartis Stakeholders in Hyderabad India + Farid & Sanjay
- Proposal of this engagement and walk-through with stakeholders were provided - Loic & Fang
    - Documents related to this proposal & observation made during high level assessment can be referred here
- Three scrum team identified – 1 Discovery Scrum and 2 Adoption Scrum
- Sprint 0.1 completed and Sprint 0.2 in progress

Team Overview -

	Name	Role	Location	Scrum Team Name	Status
1	Vijayakumar Sampath	Client Partner	Chennai	Discovery Scrum	On Board
2	Eyosedike Badeg	Principal DevOps Architect	Austin	Discovery Scrum	On Board
3	Vikas kumar Agrawal (Pune Lead)	Principal DevOps Architect	Pune	Discovery Scrum	On Board
4	Balaji Pradeep	Scrum Master	Bangalore		On Board
4	Gyana Ranjan Biswal (Bangalore Lead)	Senior Staff DevOps Engineer	Bangalore	Adoption Scrum 1	On Board
5	Moka Naga Satya Vara Prasad	Staff DevOps Engineer	Bangalore	Adoption Scrum 1	On Board
6	Rajasekhar Kendole	Staff DevOps Engineer	Bangalore	Adoption Scrum 1	On Board
7	Kosanapalli Prasanna Kumar	Senior DevOps Engineer	Bangalore	Adoption Scrum 1	On Board
8	Narinder Verma	Senior Software Engineer _ Devops	Bangalore	Adoption Scrum 1	On Board
9	Aarti Rajput	Senior Staff Software Engineer _ Devops	Pune	Adoption Scrum 2	31-Oct-19
10	Aakanksha Prakash	Staff Software Engineer – Devops	Pune	Adoption Scrum 2	11-Nov-19
11	Shrikant More	Staff Software Engineer – Devops	Pune	Adoption Scrum 2	31-Oct-19
12	Girish Nandagiri	Senior Staff Software Engineer - Devops	Pune	Adoption Scrum 2	01-Nov-19
13	Yogesh U	Staff Software Engineer - Devops	Pune	Adoption Scrum 2	01-Nov-19

Quick Reference on the Engagement Approach from SOW -

Approach — Sprint 0 - 4

	Sprint 0	Sprint 1	Sprint 2	Sprint 3	Sprint 4
	Discovery Scrum • Discovery scrum on-boarding on Novartis Systems • Novartis Team SME Engagement • Review current delivery maturity models across DP, Visualization, EDM and API Gateway • Begin Assessment of Current State	**Discovery Scrum** • Collaborate with SME's to define target state for DevOps platform for EDM or Data Platform group • Document target state flows for DevOps delivery / platform for Team 1 **Adoption Scrum 1** • On-boarding to Novartis Systems, secure access to system and tools • Review and define the tool chain architecture	**Discovery Scrum** • Review and finalize Feature and Stories for Team 1 on DevOps Platform • Define transformational roadmap for foundational services – review with all Sponsors **Adoption Scrum 1** • Design and start development of DevOps platform foundational services – tool version upgrades, tool chain plugins, integration points	**Discovery Scrum** • Collaborate with SME's for target state for DevOps platform Team 2 • Design target state flows for DevOps delivery / platform for Team 2 **Adoption Scrum 2** • On-boarding to Novartis Systems, secure access to systems and tools • Review of platform foundational services design **Adoption Scrum 1** • Complete setup of platform, infrastructure, tool foundational capabilities – setup Jira workflows and screens	**Discovery Scrum** • Review and finalize Feature and Stories for Team 2 on DevOps platform **Adoption Scrum 2** • Development of orchestration pipeline as code, global libraries, integration points **Adoption Scrum 1** • Complete tracking workflows, screens and issue types • Development of source management models
Target Outcome	• Baseline understanding of current delivery models / frameworks • Sponsor review of early findings across the platform teams	• Access to Tools / Systems / Documentation • Agile Project setup for Discovery Scrum • Develop foundational services backlog items (based on Sprint 0)	• Finalized transformational roadmap for Team 1 and review foundational services roadmap • Finalize tool selection / define foundational services roadmap	• Complete foundational services updates (tool upgrades, integration points)	• Complete Current/Target State and Transformation Roadmap for Team 2 • Complete requirement management design, flows and integration points

Approach — Sprint 5 - 10

	Sprint 5	Sprint 6	Sprint 7	Sprint 8	Sprint 9	Sprint 10
	Discovery Scrum • Collaborate with SME's for target state for DevOps platform Team 3 • Design target state flows for DevOps delivery / platform for Team 3 **Adoption Scrum 2** • Development of artifact versioning and lifecycle management, binary artifact policies **Adoption Scrum 1** • Complete the source control policies, branching model, triggers and metrics	**Discovery Scrum** • Review and finalize Feature and Stories for Team 3 on DevOps platform **Adoption Scrum 2** • Configure containerized platform to support on-demand orchestration services **Adoption Scrum 1** • Development of infrastructure as code, configuration management platform to support environment updates and migrations	**Discovery Scrum** • Collaborate with SME's for target state for DevOps platform Team 4 • Design target state flows for DevOps delivery / platform for Team 4 **Adoption Scrum 2** • Development of Team 1 Feature Set – specific to their application requirements **Adoption Scrum 1** • Development and integration of code quality and enforced gates • Operationalization of deployment framework in Dev / QA	**Discovery Scrum** • Review and finalize Feature and Stories for Team 4 on DevOps platform **Adoption Scrum 1** • Awareness with Team 1 on accelerators built for application, include updates, get sign-off **Adoption Scrum 1** • Development of Team 2 Feature Set – specific to their application requirements	**Discovery Scrum** • Develop platform documentation, TOI sessions and onboarding workflows and guidelines **Adoption Scrum 2** • Development of Team 3 Feature Set – specific to their platform requirements **Adoption Scrum 1** • Awareness with Team 2 on accelerators built for application, include updates, get sign-off	**Discovery Scrum** • Complete platform documentation, TOI sessions and onboarding workflows and guidelines **Adoption Scrum 2** • Awareness with Team 3 on accelerators built for application, include updates, get sign-off **Adoption Scrum 1** • Development of Team 4 Feature Set – specific to their application requirements
Target Outcome	• Source Management strategy and implementation w/ artifact lifecycle and policies	• Complete Current/Target State and Transformation Roadmap for Team 3 • Deployment (parameterized) deploy architecture implemented	• DevOps platform – foundational services • Deployment (parameterized) deploy architecture implemented	• Complete Current/Target State and Roadmap for Team 4 • Team 1 accelerators, platform on-boarded and awareness	• Team 2 accelerators, platform on-boarded and awareness completed	• Documentation with TOI sessions • Team 3&4 accelerators, platform on-boarded and awareness completed

Approach — Project Onboarding

	Sprint 11	Sprint 12	
	Discovery Scrum • Construct Training document • Setup Training Environment **Adoption Scrum 2** • Onboarding of Project 1 on DevOps Platform **Adoption Scrum 1** • Onboarding of Project 2 on DevOps Platform	**Discovery Scrum** • Execute training for selected team members **Adoption Scrum 2** • Complete onboarding of Project 1 on DevOps Platform - address any onboarding findings **Adoption Scrum 1** • Complete onboarding of Project 2 on DevOps Platform - address any onboarding findings	**Project Onboarding** • Onboarding of 2 projects leveraging the DevOps platform • Conduct training sessions with selected team members
Target Outcome	• Leverage DevOps platform for new / existing project onboarding	• Successful onboarding of a project on DevOps platform	