Aptiv – ProServe EAP

Status Report

Week ending May 11, 2019

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# Project Summary

**Aptiv - ProServe EAP**

There are two primary workstreams to this project:

1. Landing Zone. The AWS team is assisting the Aptiv team to gather requirements and set up an Account Landing Zone (LZ) including accounts, VPCs, networking, governance, security, logging, operations, and migration.
2. DevOps/CICD. The AWS team is assisting the Aptiv in discovery on current DevOps/CICD processes, challenges, and desire for future state. The AWS team is helping to implement optimizations to CI and CD, reducing build time, streamlining operations, as well as socialize an overall long-term target DevOps strategy with the various Aptiv stakeholder teams.

# Overall Project Status **Green**

|  |  |  |  |
| --- | --- | --- | --- |
| Measurement | Status | Trend | Comments |
| Overall |  | ⬄ | * Excellent progress. Landing Zone has been deployed in Master Account. DevOps has shown significant progress with 63% reduction in build time on Core AV Application, continuing optimization approaches on other Aptv apps. |
| SCope |  | ⬄ | * In line with SOW |
| Schedule |  | ⬄ | * Tracking to schedule. |
| Budget |  | ⬄ | * 842 of 960 staff hours used (88% EAP complete). |
| Risks / Issues |  | ⬄ | * Need to closely ration remaining hours. As we move toward project completion, hours quickly depleting but still have migration planning to complete and wrap-up activities. Need to closely monitor and will be stretching out hours assignments to cover through week 26th of May for possible meetings that week. * Also may plan for another “extension project” for dedicated migration, which will reduce the pressure on limited hours toward end of this EAP. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| On-Track | Monitoring | Behind | ⇧ Improving | ⇩ Declining | ⬄ Stable |

# Progress Log \*\* Week Ending May 11th \*\*

* LZ and CICD technical progress is complete - our activity on ProServe side is largely on hold until potential Migration Assistance and final **Project Summary planned for May 29th at Aptiv Pittsburgh.**
* Continued Migration Planning and inventory (Aptiv side). Planning for possible “Extension Project” for dedicated migration, 40-60 hours, to help drive the ball home migrating QA and Production workloads.
* Aptiv planning to test/experiment moving items in Staging the week of May 13th. **Agreed to hold off scoping any possible Migration extension project until they have a better feel for the challenges and amount of effort potentially required and any assistance from ProServe team that they may require.**
* Documentation – Confluence (CICD), architecture, design docs and runbooks shared (Ray).

# Deliverables Progress

**Completed**

* Initial CICD POC on CoreAV Build – drastic (63%) improvement in total build time
* Existing Network Design Baseline
* LZ Configuration Parameters – Shared CIDR etc.
* Master Account creation, Service Limits Increase
* LZ autobuild – LZ deployed
* SSO users created
* New CIDR block approved and in use
* VPCs deployed then re-deployed due to CIDR change
* Centralized Logging deployed, then redeployed due to CIDR change
* Account Vending Machine verified operational
* Created Data Systems account
* Transit Gateway configured
* Kibana Dashboard configured
* CICD - EKS/Jenkins clusters configured, in Aptiv’s environment, working on tailoring for Aptiv
* CICD – use Aptiv’s docker image through EKS/Jenkins build, test and demo it
* CICD – optimize the build process/times for other major applications – Valentyn did walk-through for us, the only major thing we see is possibly moving current Kubernetes clusters to EKS to take advantage of autoscaling.
* Delivered CloudFormation template for creating TGW attachments
* Latest LZ hotfixes applied
* Custom Config Rules (9 tags) applied to LZ
* Renaming accounts with aliases (friendly names) script applied

**Open**

* Possible creation of additional Developer accounts – play it by ear, Aptiv may create their own
* Suggested - Aggregate VPC Flow logs to centralized logging Elasticsearch - Brad/Troy/Valentyn to look further at this
* Suggested - Config rule aggregation in Security or master account - useful to have a single point of visibility to verify compliance for accounts and resources - Parth and team to revisit – Mohan to forward information for Aptiv team
* Update account contact info/emails when new Distribution Lists are available
* Finalize Architecture, Design, and Runbook docs tailored for Aptiv, as part of Delivery Package week of May 27th.
* Enable MFA on root user (Aptiv to-do)
* SSO – enable 2FA – AWS advised on options for Aptiv to consider
* Update LZ security notification to use Distribution List (update SecurityAlertEmail LZ stack parameters)
* Dedicated migration assistance – in discussion, possible “extension projected” (**ON HOLD** until Aptiv advise/discussion week of May 13th)
* “Burn plan” for $1M AWS credits – gauge during Migration discussion

# Next Steps

* Migration Planning and discussions of possible extension project tentative week of May 13th
* Final Delivery/Project Summary Meeting at Aptiv Pittsburgh 1-4:30PM Wed May 29.

Key Risks/Issues

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Update | Date Added | Status |
| Ration reminaing EAP Hours | * Need to closely ration remaining hours. As we move toward project completion, hours quickly depleting but still have migration planning to complete and wrap-up activities. Need to closely monitor and will be stretching out hours assignments to cover through week 26th of May for possible meetings that week. * Also may plan for another “extension project” for dedicated migration, which will reduce the pressure on limited hours toward end of this EAP. | 4/27/2019 | **NO CHANGE – Monitor and Plan “Extention Project”** |

# ProServe Contacts -- AWS personnel may be added/removed from project based on project need and availability.

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\*\*\*End of report\*\*\*