SASD Maximo Ecosystem Upgrade Initiative – 166

07/25/2022 Status Meeting

Agenda

1. **Last 55 days**

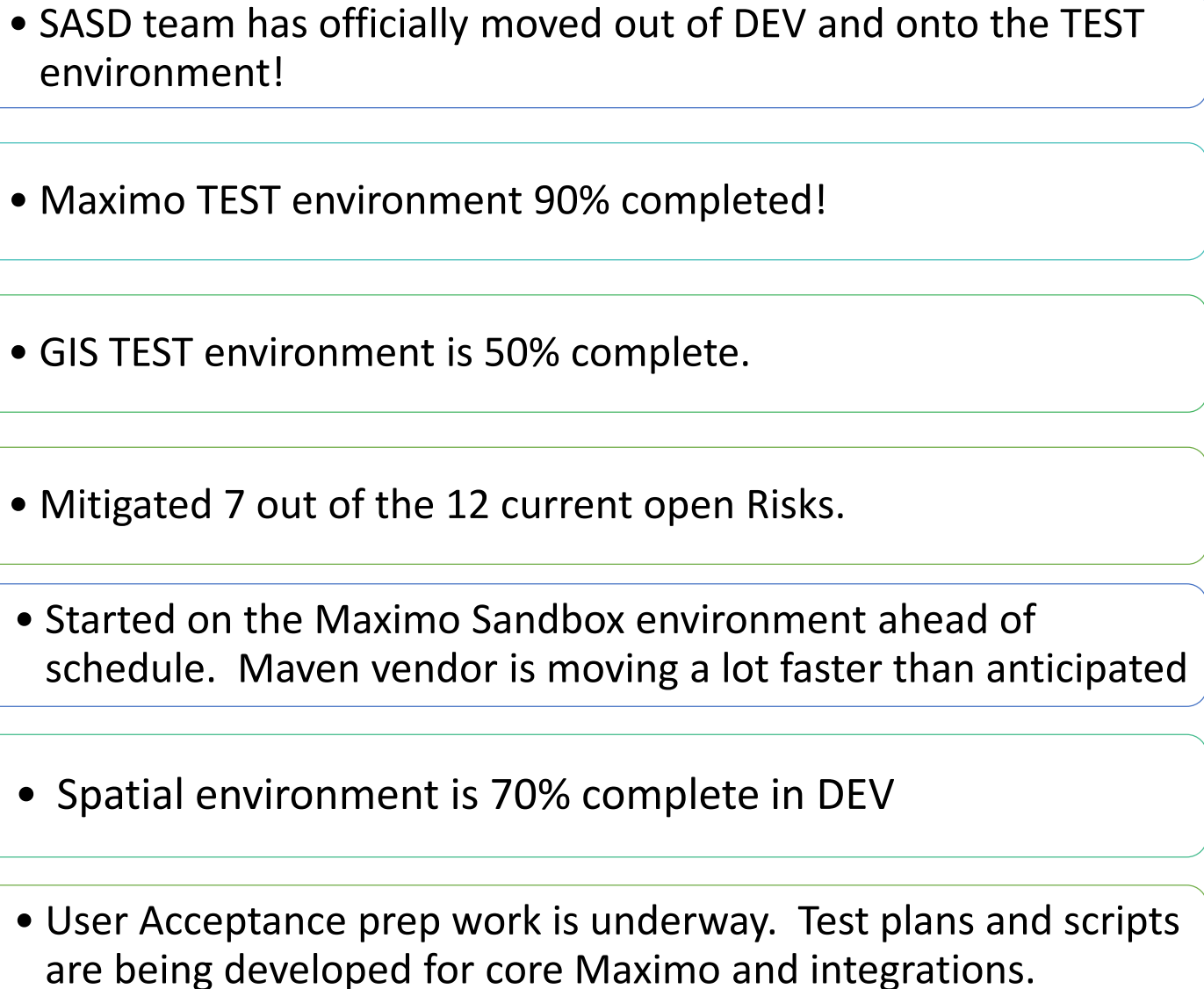2. **Mitigated Risks**
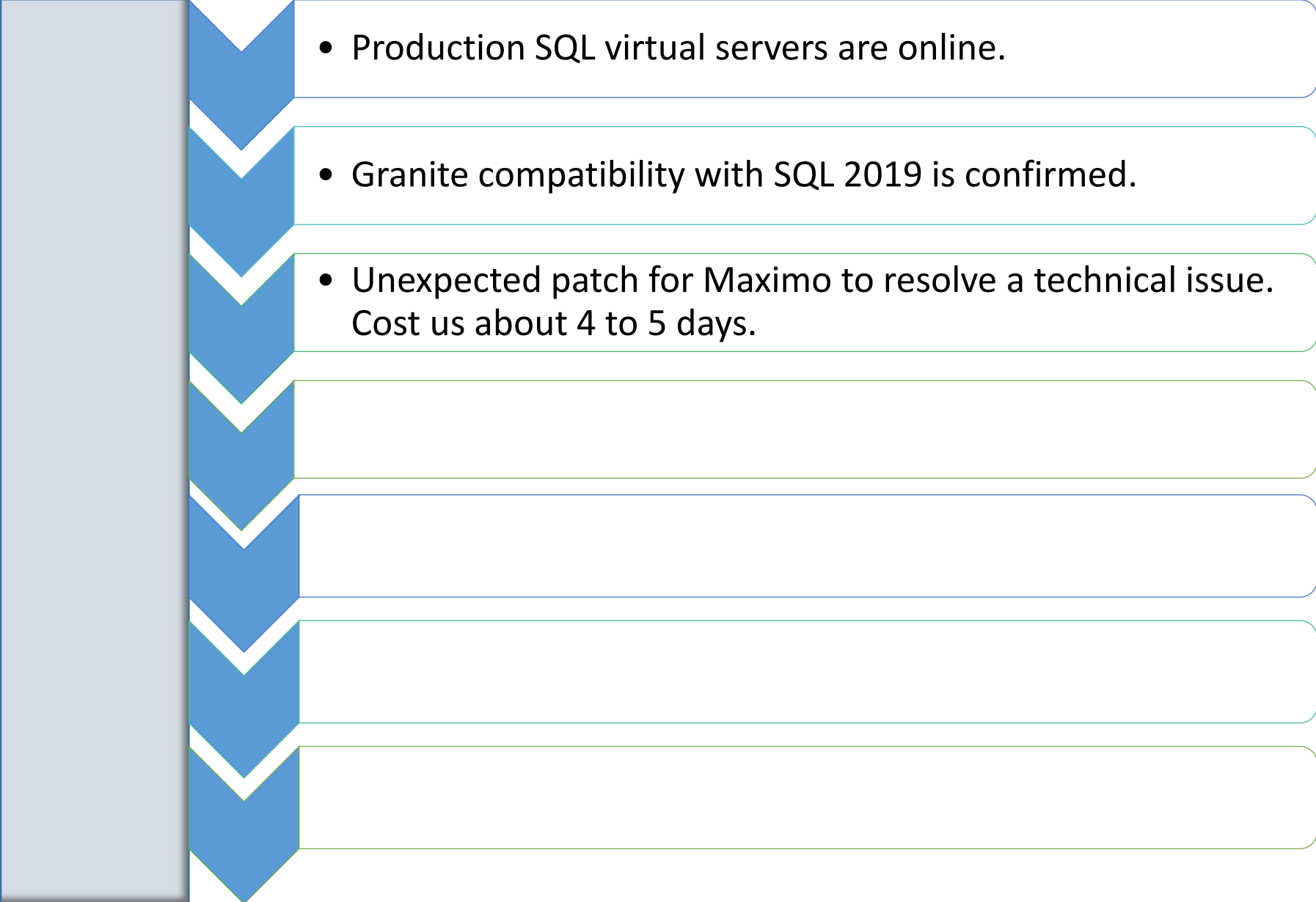
3. **Next 50 days**

4. **Risk Log**

5. **Hardware Delays: Options**

6. **Q&A**

The last 55 days

- SASD team has officially moved out of DEV and onto the TEST environment!

- Maximo TEST environment 90% completed!

- GIS TEST environment is 50% complete.

- Mitigated 7 out of the 12 current open Risks.

- Started on the Maximo Sandbox environment ahead of schedule. Maven vendor is moving a lot faster than anticipated

- Spatial environment is 70% complete in DEV

- User Acceptance prep work is underway. Test plans and scripts are being developed for core Maximo and integrations.

The last 55 days (continued)

- Production SQL virtual servers are online.

- Granite compatibility with SQL 2019 is confirmed.

- Unexpected patch for Maximo to resolve a technical issue. Cost us about 4 to 5 days.

Risks mitigated since last status meeting

#	Description	Status
9	GIS DEV servers End of Life	Best practice server standards have been implemented.
11	Granite compatibility with SQL 2019	Mark worked with George Nordgreen to validate Granite is compatible with SQL 2019.
12	Not enough DTECH SQL Support hours	Added 60 hours for this fiscal year and 350hrs will be available for 2022/2023 fiscal year.
13	IBM Support contract from 2021 was not fully executed or valid.	New support contract is fully executed and in place. IBM has already sent us our first invoice.
14	George Nordgreen is no longer the product owner for Granite.	IT is in the process of absorbing this work.
15	The existing 3Par Storage Hard Drives will be end of life by October 31st, 2022. No extended support is available.	Status of #16 mitigates this risk.
16	The new Alletra Storage system replacing the 3Par hardware shipment has been delayed.	Alletra Hardware is in house and now just needs to be installed. Should not be an issue to complete before End of Life, Oct 31st 2022.

Until our next meeting on 9/7/2022 (50 days)

- Keep the project team moving at a steady tempo.

- Spatial/GIS configuration will continue in DEV. Push Starboard to catch up to the rest of the team in TEST.

- Complete Maximo TEST environment

- Complete GIS TEST environment.

- Complete User Acceptance Testing prep work.

- Complete prep work for performance testing.

- Complete Maximo Sandbox environment.

Go to Production on VMs

Pros

- Production VMs have already been configured.

- Continues project momentum.

- Does not stall other projects or work awaiting the completion of the Maximo upgrade.

- Frees project resources up.

- Keeps our vendors engaged with our project.

- Allows the team to do a full dress rehearsal.

- Allows more time for ITOPS to rack and configure SQL cluster.

Cons

- SQL VM Clusters will cost **$5096.38** per month.

- Will have to migrate to physical hardware.

- There will be some duplicate effort involved with migrating to the physical hardware.

- Will need to purchase 1 or 2 more performance testing session. **$2000.00 per**

- Internal labor cost and possibly additional vendor cost to migrate to physical hardware

- Additional downtime for the migration to physical hardware

Risks

- Will not know if the virtual SQL cluster will perform to our needs until we get through performance testing.

- VM limitations might not meet our performance needs, which will force us to wait for the hardware.

Wait for hardware to get here

Pros
- Will only have to perform the roll out 1 time.

- There will be more time available to prepare for User Acceptance Testing. (UAT)

- Can shift resources to other projects and work that SASD has planned for after the upgrade completion.

Cons
- Project will stall once we are ready for UAT.

- Ramp up time once we pick the project back up.

- Physical hardware is for TEST and PROD, we will need to move back into TEST and do rework.

- Labor cost increases. Due to the duration of this project, vendors have expressed that will have a price increase on Jan 1, 2023.

- An additional 4 weeks to rack and configure SQL cluster hardware

Risks
- Production roll out will most likely take place in 1st quarter of 2023.

- Arrival date for hardware is not set in stone, there could be more delays pushing us clear into 2023. This is the 4th delay.

- Vendor availability. They will need to keep their resources busy with other work.

SASD Projects and Efforts on Hold

Business Planning
- Underground Facility Claims module in Maximo

Information Management
- ArcGIS Field Maps for Insect Mitigation implementation and development
- ArcGIS Pro integration
- CMMS Evaluation
- Enterprise/Portal final implementation
- Hiring GIS Analyst I/II
- Migration from ArcPad to StudioGo final implementation

Pipeline Support
- Granite upgrade
- Evaluation of the Max_report list (currently 1,400 reports)
- Several Change Advisory Committee (CAT) items implementation related to new tools to improve work efficiency and additional functionality in Maximo, impacting SASD across the board

Initiative-166 Open Risks

#	Description	Status
7	Physical SQL server hardware is still back-ordered	Open ETA is now 10-24-2022
8	Spatial re-configuration and widget development is behind.	Open
17	Cost for Maven support will increase if we do not complete this project by end of 2022	Open
18	Not enough support hours included in the contracts to complete the project. (Maven and Starboard)	Open
19	Weather App data source is end of life.	Open

High Level Schedule

Milestone	Completion Target Date	Status
Complete Spatial Re-configuration and widget re-design in DEV (Starboard)	8/26/2022	
Complete TEST environment (Maximo, GIS, Spatial)	8/31/2022	
Complete User Acceptance Testing (UAT) in TEST	9/22/2022	
Go Live weekend (on VMs)	10/28/2022	
Migrate to physical hardware	TBD	