

12261 - Labware Composite upgrade

Initiative brief

Readme

* Required information

- Project details
- Phase 1:
 - Envision - High level initiatives
 - First, let's start with the Problem space
 - 1.1. Reason
 - 1.2. Benefits
 - 1.3. Target users
 - 1.4. Value proposition
 - 1.5. Business goals
 - 1.6. Challenges
 - 1.7. Business metrics
 - 1.8. Cybersecurity
 - 1.9- Involvement of Data Domains
 - 1.10. Up to investment
 - 1.11. Resources
- Phase 2:
 - Strategize
 - 2.0 Scope / Deliverables
 - 2.1. Actions to complete
 - 2.2. Users needs
 - 2.3. Overall Service Delivery Management for a project (if applicable)
 - 2.4. Risk Analysis
 - 2.5. Solvay One Planet Objectives
- My tasks

Project details

Phase	<input checked="" type="checkbox"/> Envision <input checked="" type="checkbox"/> Strategize
Status	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid yellow; padding: 2px;">IN PROGRESS</div> <div style="border: 1px solid blue; padding: 2px;">UNDER REVIEW</div> <div style="border: 1px solid green; padding: 2px;">APPROVED</div> </div> <div style="border: 1px solid red; padding: 2px; margin-top: 5px;">NOT APPROVED</div>
Start Date	<i>Enter the starting date of your initiative, by clicking on the calendar icon below - when you started to work on different step of the initiative</i> 05 Jun 2023
Initiative name	12261: Labware Composite upgrade

My tasks

- Enter your task here, using « @ » to assign it to a user and « // » to select a due date
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<p>Description of the initiative</p>	<p>The upgrade of Labware Composite project is required in 2023 to be aligned with NIST/CMMC (The Cybersecurity Maturity Model Certification) standards.</p> <p>The current Composite Labware environment is running software that is outdated and does not meet the requirements put in place for CMMC.</p> <ul style="list-style-type: none"> • The current version of Citrix support Composite Labware <ul style="list-style-type: none"> ◦ Outdated and no longer supported by the vendor. <ul style="list-style-type: none"> ▪ CMMC requires that we are running supported version of vendor software that includes receiving security patching ◦ Does not support the level of encryption required by CMMC standards <ul style="list-style-type: none"> ▪ The new version of Citrix supports the level of encryption required by CMMC standards ◦ There is a known issue on the Citrix server for this version which causes the servers to hang <ul style="list-style-type: none"> ▪ This issue requires a restart to the Citrix environment at least 2-3 a month and causes downtime to the users ▪ This issues occurred several times during off hours impacting users for entire shifts ◦ There has been an ongoing issue with the Citrix client that causes issues for users to connect <ul style="list-style-type: none"> ▪ This issue impacts 5-10 users a week causing downtime for 2-5 days ▪ The fix requires Uninstall and Reinstall of Citrix client software ▪ At times it requires Deletion of Windows Profile on shared PCs • The current version of Windows and SQL Server being used to support Composite Labware <ul style="list-style-type: none"> ◦ Windows 2012 R2 will reach end of support on October 10, 2023 ◦ SQL Server 2012 R2 has reached end of support on July 12, 2022 <p>The project will also include the assessment of a future upgrade of the Labware software from version 7 to version 8.</p> <p><i>421K Pre-Cost Analysis</i></p>
<p>Domain & Product</p>	
<p>Requested Domain Journey / Platform</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Platf1- Data & Analytics & AI Platform <input type="checkbox"/> Platf2 A- Develop, Test & Deploy Platform <input type="checkbox"/> Platf2 B- Multi experience Platform <input checked="" type="checkbox"/> Platf2 C- Ent. Business Systems Platform <input type="checkbox"/> Platf3 A- Ecosystem Platform <input checked="" type="checkbox"/> Platf3 B- Hybrid & Cloud Platform <input type="checkbox"/> Platf3 C- Intelligent Asset Platform <input type="checkbox"/> Platf4- Info Security and Compliance Platform <input type="checkbox"/> Platf5- Workplace Platform <input type="checkbox"/> Journ1- Digital Customer Journey <input type="checkbox"/> Journ2- Digital Ops & Corporate Enablement Journey <input type="checkbox"/> Journ3- Digital Employee Journey <input type="checkbox"/> Journ4- Prepare the Future & Connected Research Journey <input type="checkbox"/> DTmng3- DT Enablement & Transformation

Involved Domain Journey/ Platform	<input type="checkbox"/> Platf1- Data & Analytics & AI Platform <input type="checkbox"/> Platf2 A- Develop, Test & Deploy Platform <input type="checkbox"/> Platf2 B- Multi experience Platform <input checked="" type="checkbox"/> Platf2 C- Ent. Business Systems Platform <input type="checkbox"/> Platf3 A- Ecosystem Platform <input checked="" type="checkbox"/> Platf3 B- Hybrid & Cloud Platform <input type="checkbox"/> Platf3 C- Intelligent Asset Platform <input checked="" type="checkbox"/> Platf4- Info Security and Compliance Platform <input checked="" type="checkbox"/> Platf5- Workplace Platform <input type="checkbox"/> Journ1- Digital Customer Journey <input type="checkbox"/> Journ2- Digital Ops & Corporate Enablement Journey <input type="checkbox"/> Journ3- Digital Employee Journey <input type="checkbox"/> Journ4- Prepare the Future & Connected Research Journey <input type="checkbox"/> DTmng3- DT Enablement & Transformation
Initiative Ownership	
Digital Technology Partner	@
Product Manager / Service Delivery	@Martina Gatti + @Jean-Pierre Genet (PM), @Pedro Falcao (SDM)
Roadmap & Key objectives	
Roadmap	<p>Upgrade the Windows OS, SQL Server and Citrix versions to the latest versions supported within Solvay standards.</p> <p>Implement encryption from Citrix client to server that meets CMMS requirements.</p> <p>Stabilize environment by reducing the downtime caused by Citrix connectivity issues</p> <p>Improve performance of the Labware application and make key new features available for the business.</p>
2023 Digital Technology Key objective	
Priority	<i>P1 to required to be aligned with NIST/CMMC (The Cybersecurity Maturity Model Certification) standards.</i>

Phase 1: Envision - High level initiatives



Do

- Create Envision brief if the initiative is part of the validated roadmap
- Highlight roadmap value
- Request a budget for Strategize if you need one
- [Security scoring](#)
- [RADAR/SENTRI](#)



Don't

- Request platform resources if the business capability is already identified and clear
- Write portfolio epics, epics and user stories
- Identify squad resources

First, let's start with the Problem space

1.1. Reason

* Why is this initiative proposed today?

Currently the Composites Labware environment is running outdated and unsupported server software which creates a major risk and does not meet NIST/CMMC (The Cybersecurity Maturity Model Certification) standards. The goal is to upgrade the software to the latest and fully supported versions.

1.2. Benefits

What are the new capabilities expected?

The Labware environment will be running on up to date and supported Windows OS, Citrix and SQL Server which is align with NIST/CMMC (The Cybersecurity Maturity Model Certification) standards, as well as improves the stability and performance of the servers.

What will it replace? Is it a new solution or an existing one?

This is an upgrade to an existing environment within the Solvay Landscape

1.3. Target users

Who are the future users?

The user population will stay the same which includes the Quality Labs and Shop floor across all sites of Composites GBU

What is the number of users impacted?

900 Users across all sites of Composites GBU

What about the Business Needs?

1.4. Value proposition

What is the value of the initiative?

Limit the exposure / risk of outdated non supported software.
Alignment with NIST/CMMC standards

1.5. Business goals

How does the product / deliverable align with the business goals?

Alignment with NIST/CMMC standards which is required by key customers (ITAR)

1.6. Challenges

Are there any challenges in developing the product?

Resource availability and constraints based on conflicts with PO2

1.7. Business metrics

How will we measure success?

Performance improvements, reduce server down time and aligned with NIST/CMMC standards.

1.8. Cybersecurity

Please duplicate [this template](#) and contact the SIP team in order to get your corresponding folder. Then, for the envision phase, answer to the initiative card tab and to the 7 high-level questions in the "Security Scoring" tab. These questions will help the SIP team to determine the level of cybersecurity & compliance support you will need. Please contact the team by email: @SIP_team@solvay.com

1.9- Involvement of Data Domains

If your initiative is working with data, please select the domain which is impacted:

- Marketing & Sales (Customer & Market segment / Price conditions & CMIR)
- Supply Chain Management (Routes & Rates)
- Procurement (Master data: Vendors, Contracts, Material (Group)/ Reference Data: Payment terms, Structures)
- Finance (Management (MAC)/ Financial (FAC)/ Treasury)
- HR (HR Master Data (Employee, Personal, Identity))
- Industrial (BOM, Asset Hierarchy, MES Tag, Process Batch)
- R&I (Products, Equipments/ Projects)
- Structures & shared referential (Structures/ Shared referential data/ Finished goods)
- Sustainability

1.10. Up to investment

What is the coherent time to commit on the initiative?*

Estimated Delivery phase start date*	Estimated Delivered end Quarter*
05 Jun 2023	Q4 2023

What is the coherent money to commit on the initiative?*

	2023 (in K€)*	2024 (in K€)*	2025 (in K€)
Estimated size of investment (high level)	391K		

What is the coherent run and build commit on the initiative?

Estimated run costs (estimation high level) per year on xxYear (xx= duration of the contract if known)

Current recurring cost for servers is \$13.5K a month (162K annually). The new server environment will increase to \$19.9K a month(238.8K annually).

Type of savings expected /year for DT (Ex: Contracts, FTE, ...)

- maintenance
- infrastructure
- FTE
- Sales provider
- licences
- other: please explain

Please add here the required envelop needed to work on the strategize phase - if needed (**maximum 40k€**) :

1.11. Resources

What skills and talents do we need?

Jose Carreira (25%), Harrison Blackwelder (25%), Mark Reece (15%), Michael Manuelle (15%), Loic Romagny (10%), Cedric Armand (10%)

1.12. Methodology to apply (refer for Accolade)

Do you think if your initiative is compatible with a waterfall approach or with an agile approach?

- Agile model
- Waterfall model
- I do not know at this stage

If the initiative will be done in Agile methodology, please contact during the strategize phase [Nicolas LOVAGNINI](#)

Phase 2: Strategize



Do

- Identify portfolio epics and epics within each portfolio epics
- Create a document / slide / spreadsheet to build your epics and put a link in the brief
- Estimate experts and budget by portfolio epics or by increment
- Show SMART KPI (Specific, Measureable, Achievable, Relevant, and Time-Bound)
- Evaluate the impact on Solvay One Planet objectives



Don't

- Identify squad resources (naming)
- Write user stories

Now, we can move on to the Solution space

2.0 Scope / Deliverables

What is your list of scope if waterfall initiatives (technical, functional & organizational) / deliverables foreseen? What are your list of Epics if Agile initiatives?

2.1. Actions to complete

Mandatory actions * (please contact them together if possible)		
Description of the action / task	Contact	Document & examples (please make your own copy and insert new link here)
Contact each relevant pool lead to book resources in the capacity planning tool <input checked="" type="checkbox"/> check once done to inform the contact ARPIN, Florine 09 May 2023	ARPIN, Florine	Complete Capacity planning tool
Complete Accolade <input checked="" type="checkbox"/> check once done to inform the contact Claire Bazin 09 May 2023	Claire Bazin	Complete Accolade
Review with Enterprise Architect the actual solution answering the objective <input checked="" type="checkbox"/> check once done to inform the contact Florent Thivin 06 Jan 2023	Florent Thivin (Structure)	Complete Architecture Impact Analysis (AIA) ARB & AIA
Check you have confirmed the involvement of each platform		Revert to SDM of each Platform
Identify security needs (Confidentiality, Integrity, Availability) and define security measures to be implemented by the initiative team <input checked="" type="checkbox"/> check the contact user-57b8e 09 May 2023	user-57b8e	Complete the security questionnaire in " SIP Support tool "
Support for budget estimation (via the Workload & Cost), Financial evaluation (Total Cost of Ownership over 10Y), saving validation <input checked="" type="checkbox"/> check once done to inform the contact Thomas Varchmin Sérgio Serafim 08 May 2023	Thomas Varchmin	W&C: to be filled in to Accolade in preparation phase TCO over 10Y: xxxx - Business Case /Financial evaluation 10Y

<p>If Data Governance is required: identify the business objects</p> <p><input type="checkbox"/> check once done to inform the contact Philippa de Glanville 06 Jan 2023</p>	<p>Philippa de Glanville</p>	<p>Data Governance Strategise for Initiative Briefs</p>
Optional		
<p>If any relation needed with a supplier</p> <p><input type="checkbox"/> check once done to inform the contact BLANCHER, Alexis 06 Jan 2023</p>	<p>BLANCHER, Alexis</p>	
<p>If it concerns a key supplier, a sourcing strategy has to be defined</p> <p><input type="checkbox"/> check once done to inform the contact Isabelle Auboeuf 06 Jan 2023</p>	<p>Isabelle Auboeuf</p>	
<p>If conformity by design is required</p> <p><input type="checkbox"/> check once done to inform the contact Emmanuelle Bureau 06 Jan 2023</p>	<p>Emmanuelle Bureau</p>	<p>GMP (pharma), ISO</p>

2.2. Users needs

What do users dislike about the current solution?

Applicable when a new solution is developed

Not applicable - no product development

What tools or features do your users wish to have?

Not applicable - no product development

What value will it add to the user´s lives?

The upgrade of Labware Composite is required in 2023 to reduce security risk and vulnerabilities that comes with running unsupported server software and to be aligned with NIST/CMMC (The Cybersecurity Maturity Model Certification) standards.

What alternative do we have?

None

2.3. Overall Service Delivery Management for a project (*if applicable*)

A standardised process for creating and introducing services. It may sound basic, but Service Design and Introduction should be considered at the very beginning of the project.

- Moving through the various project stages from Envision, strategize (requirements gathering) to planning, delivering value and testing before deploying the service.

- Embedding service introduction activities into project delivery, with defined success criteria at each stage avoids a re-work which can negatively impact the project in terms of time, cost and quality.

Who is the service owner?

What is the target?

Which platform will maintain the new service?

2.4. Risk Analysis

What are the risks (refer to Risk analysis matrix in Accolade)?

Possible Resource constraint of DT Project Team members based on conflicts with PO2
Business user availability during testing phases

2.5. Solvay One Planet Objectives

What is the qualitative assessment of Hardware/ Data processing/ Project's contribution to Solvay One Planet?

- Is the business ambition you will support improving or not sustainability?
- Will you increase or decrease the number of hardware we need to operate? How much?
- Will you generate or transfer an important amount of data, especially videos? How much?