

Migration to SDP

GSEP User Knowledge Base

Exported on 06/22/2023

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About SDP

Software Development Platform

Read more: <https://gsep.daimler.com/confluence/x/LKeEOg>

Background: GSEP - Future Strategy¹

Projects in Focus

To know the projects in focus for SDP, please visit this page : [Click Here²](#)

Who is responsible for migration?

The GSEP team will do the complete migration of all the projects in focus from GSEP to SDP.



Secure &
Confidential



AWS Cloud Hosted



Integrations with
Applications



Authentication via Ping ID



Licensed Environment



Plugin Supported



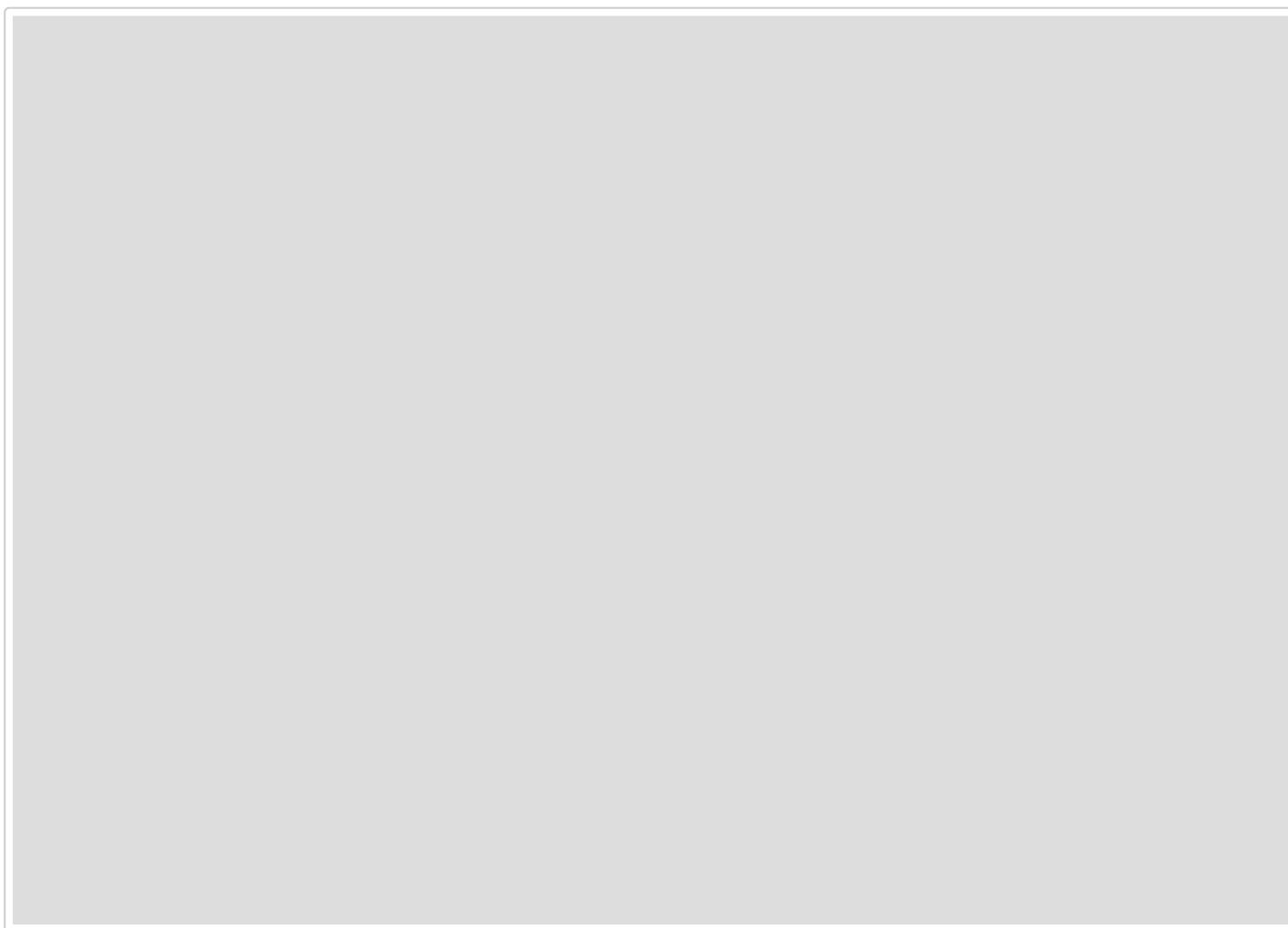
Automations



24*7 support

¹<https://gsep-int.daimler.com/confluence/display/GSEPUKB/GSEP+-+Future+Strategy>

²<https://gsep.daimler.com/confluence/x/yA9jOQ>



❗ **What if I have further questions on SDP?**

Please ask here → <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/241/create/1641>

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<https://social.cloud.corpintra.net/groups/sdp/>

ℹ Accessible from the Mercedes-Benz Intranet only.

1 About SDP



HERE'S TO NEW BEGINNINGS

As of today, 50000 users, spanning across 10000 projects and 14 applications call GSEP their home. Currently, all the applications in the GSEP platform are hosted on servers in the European Data Center (EDC). Since the EDC must be vacated by the end of 2023, all applications housed there must also move to new locations. Although a central network hub is being built in Frankfurt, it has been strategically decided that the GSEP platform will not be hosted there.

Due to this sweeping change, the GSEP platform will be sundowned and all GSEP projects will have to migrate to one of the four target platforms namely **SDP**, SWF, MCP and DoT, with each platform dedicated to a specific category of projects. In short, it is time for GSEP to take a new shape, or rather shapes, and for the projects to move to their new home!

Our focus here is on SDP. SDP stands for Software Development Platform. All RD projects, except the ECU series projects, will be migrated to SDP. You could call SDP the successor of GSEP, since all GSEP tools are adopted in SDP. The most important difference is that all applications on the SDP are hosted in the AWS cloud.

A great technologist said - "What new technology does is create new opportunities to do a job that customers want done". We have always looked at Cloud from the bottom up. Now it's time for us to look at Cloud from the top and give you the best possible space so you can sit comfortably and continue doing business as usual.

While GSEP offerings will just be transformed into SDP, other aspects such as performance, durability, flexibility, customer support and technology will not remain the same. They will only improve significantly. So! it's a new home, a new beginning, a new address... but everything will be business as usual!

We wish you a warm welcome to your new home, **welcome to SDP!**

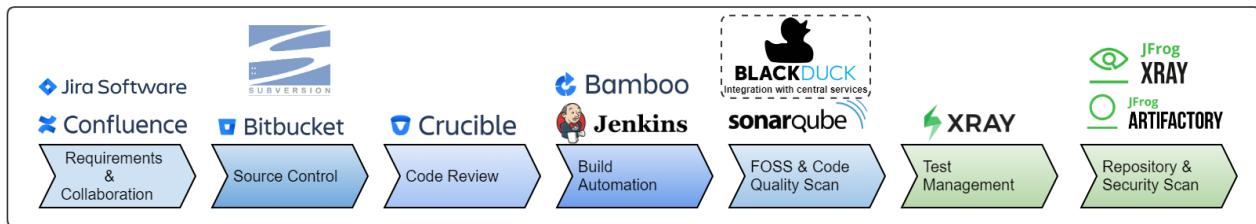
Team SDP

❖ What if I have further questions on SDP?

Please ask here → <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/241/create/1641>

2 SDP Offerings

SDP (Software Development Platform) provides an Application Lifecycle Management toolchain with a rich set of applications and plugins.



2.1 Services

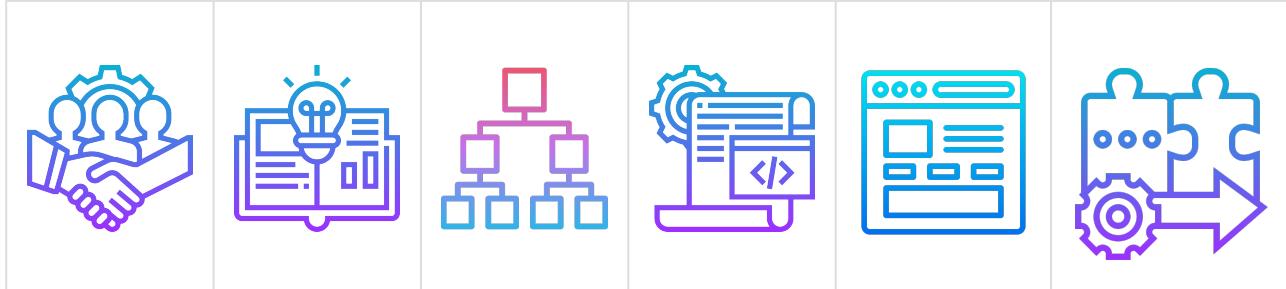
- Agile Engineering & Software Development
- Access from Intranet & Internet for Employees and Suppliers
- DevSecOps ready
- Connected to EElite, Dante, Doors, STARC and MBSE
- Globally mirrored in India and USA to provide maximum performance
- 24/7 Support Operations
- Confidential Data Classification

❖ **What if I have further questions on SDP?**

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2.2 → Confluence

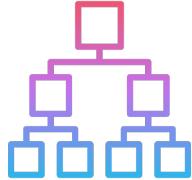
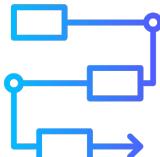
Move fast, stay aligned, and build better - Together with SDP



Project collaboration	Knowledge management	Structured page tree & versioning	Macros	Templates	Integrations
Break the big ideas down into manageable chunks across teams with user stories, issues, and tasks.	Prioritize and discuss your team's work in context with complete visibility at every level.	Organize content with a page tree that makes finding work quick and easy.	Add interactivity to Confluence pages with extra functionality or dynamic content.	Get started with ready-made templates.	Jira is featured with a powerful integration with the same.

Key Features

	<p>Quick Search</p> <p>Confluence gives you a few ways to find what you're looking for. Here's an overview of Confluence search, and a few tips to help you find things more easily. When you enter a search term, Confluence looks for content in all spaces (including personal spaces), pages, mail, personal profiles, and space descriptions. It also looks at the content of some attached file types (Word, Text, PowerPoint, Excel, PDF, and HTML).</p>
	<p>Collaborative Culture</p> <p>Collaboration doesn't just occur if someone happens to initiate it. Instead, it's baked into processes of how people do their work every day and into the attitudes they take about that work.</p> <ul style="list-style-type: none"> • Transparency and knowledge sharing • Trust-filled relationships • Leaders who model collaboration
	<p>Macros</p> <p>Confluence macros allow you to extend the functionality and design of Confluence content. They are special add-ons that are inserted into Confluence pages to add functionality or enhance content.</p>

	<h3>Organized Spaces</h3> <p>Wasting time setting up dashboards? In Jira Software Cloud, finding and resuming your work has never been easier. “Your work” is your very own out-of-the-box dashboard with quick links to recent projects as well as any issues users have worked on, viewed, assigned, or starred.</p>
<h2>Striking features</h2>	
	<h3>Collaborative Editing</h3> <p>Visualize your team’s work on a customizable board, following agile frameworks like Scrum, Kanban, or anything in between so you can get better visibility over work that’s planned and in progress.</p>
	<h3>Advanced Roadmaps</h3> <p>Build big picture plans for your team. Advanced Roadmaps is designed to help you build plans across multiple teams.</p>
	<h3>Blogs and Polls</h3> <p>Track dependencies within your team and across your organization to ensure projects deliver on time. Basic dependency management is designed to help you map dependencies within your team. Advanced dependency management is designed to help you map dependencies across multiple teams.</p>
<h2>Security</h2>	
	<h3>Data residency</h3> <p>Specify where data is hosted within Atlassian’s global cloud footprint to help meet your corporate policies and compliance requirements</p>

	<p>Secure and confidential</p> <p>When you need to troubleshoot a problem or keep a record of important events, such as changes to global permissions, the audit log allows administrators to look back at changes that have been made in your site.</p>
	<p>Authentication Via Ping ID</p> <p>Atlassian Datacenter applications with Daimler SSO and Ping ID integration providing you with a feasibility of Multi-factor authentication</p>

Apps & Integrations



Atlassian Marketplace apps

In order to provide a high level performance and a secure platform, we have decided to prioritize the usage of out-of-the-box functionalities and Atlassian-made Apps.

Plugin Name	Usage
Advanced Roadmaps for Jira in Confluence	✓ Embed an Advanced Roadmaps for Jira plan in a page for others to view.
Angular JS integration for AUI (AUI-NG)	✓ It provides shared libraries for user interfaces of other plugins.
Balsamiq Wireframes for Confluence Server	✓ Balsamiq Wireframes allows you to add UI wireframes to your Confluence pages.
Bob Swift Atlassian Add-ons - Markdown	✓ Use Markdown markup to create content in Confluence.
Bob Swift Atlassian Apps-Confluence Command Line Interface (CLI)	✓ REST API Services for the Confluence Command Line Interface (CLI).
Draw.io Diagrams for Confluence	✓ Robust search makes your diagrams a true resource. Draw.io helps in creating collaborative whiteboards and a wide variety of helpful diagrams.
Glossary	✓ Glossary blueprint lets you manage thousands of terms and their definitions inside a smart wiki page tree. Use it to share standard terminologies and technical dictionaries inside your organization. Glossary blueprint is also collaborative : users can add new letters, create terms and use live-search to quickly find a specific term.
Numbered Headings	✓ This is the numbered headings plugin for Atlassian Confluence.

PlantUML for Confluence	✓ This is the PlantUML plugin for Atlassian Confluence. Please note that you have to install some additional software (GraphViz) so that this plugin can work, please read the documentation
Polls for Confluence	✓ The Polls plugin offers users to create simple polls to make choices or schedule events within Confluence.
Questions for Confluence Plugin	✓ Share knowledge and find answers with internal Q&A. More Info
Scroll Exporter Extensions	✓ The Scroll Exporter Extensions add-on contains extensions for the Scroll Exporter product family.
Scroll PDF Exporter	✓ The Scroll PDF Exporter exports content from Confluence pages to styled PDF documents.
Scroll Platform	✓ The Scroll Platform Add-on is the basis for Scroll Versions, Scroll Translations and the Scroll Acrolinx Connector for Confluence
Scroll Runtime for Confluence	✓ This Add-on provides shared components required by other Scroll Add-ons.
Scroll Versions	✓ Scroll Versions enables you to write, manage, and publish in Confluence: Plan, author, and release your documentation. More Info
Source Editor for Confluence	✓ Edit Confluence page source XHTML directly in the browser.
Spectrum Formatting Macros	✓ API plugin for Spectrum Groupe confluence addons
spectrum-api	✓ API plugin for Spectrum Groupe confluence addons
STAGIL Jira Issues for Confluence	✓ Confluence Macro to create issues.

	Table Filter and Charts for Confluence	Dynamically filter one or more tables with the variety of filters, create pivot tables from source data or generate reporting charts with the dynamic update upon change or data filtration
	Talk - Inline Comments for Confluence	Review content by embedding contextual comments anywhere on Confluence pages.

**JIRA integration**

Jira applications and Confluence complement each other. Collect your team's thoughts, plans and knowledge in Confluence, track your issues in your Jira application, and let the two applications work together to help you get your job done.

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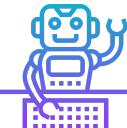
2.3 → Jira Software

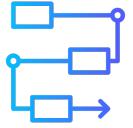
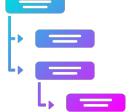
Move fast, stay aligned, and build better - Together with SDP



Plan	Track	Release	Report	Automate	Templates	Integrations
Break the big ideas down into manageable chunks across teams with user stories, issues, and tasks.	Prioritize and discuss your team's work in context with complete visibility at every level.	Ship faster, with confidence knowing the information you have is always up-to-date.	Improve team performance in context, based on real-time, visual data.	Save time, keep your team focused, and help work flow with no-code automation.	Get started with ready-made templates.	Jira is featured with a powerful integration with the same.

Key Features

	<p>Easy Navigation</p> <p>The primary navigation in Jira Software Cloud offers a rich search capability across projects, issues, boards, and Atlassian products . Search for any issue in a project using text search, or filtering by assignee, reporter, and status. Sort your lists by a variety of criteria and modify the issues directly from the list.</p>
	<p>Collaborative Culture</p> <p>Collaboration doesn't just occur if someone happens to initiate it. Instead, it's baked into processes of how people do their work every day and into the attitudes they take about that work.</p> <ul style="list-style-type: none"> • Transparency and knowledge sharing • Trust-filled relationships • Leaders who model collaboration
	<p>Built-in automation for Users</p> <p>In Jira Software Cloud, automation is available out-of-the-box. With just a few clicks, a task or process can be automated across as many projects as you need with a single rule. Depending on which Cloud plan you are on, there may be limits to the number of monthly rule executions.</p>

	<h3>Centralized dashboard in “Your work”</h3> <p>Wasting time setting up dashboards? In Jira Software Cloud, finding and resuming your work has never been easier. “Your work” is your very own out-of-the-box dashboard with quick links to recent projects as well as any issues users have worked on, viewed, assigned, or starred.</p>
<h2>Agile and Project Planning</h2>	
	<h3>Scrum and boards</h3> <p>Visualize your team’s work on a customizable board, following agile frameworks like Scrum, Kanban, or anything in between so you can get better visibility over work that’s planned and in progress.</p>
	<h3>Advanced Roadmaps</h3> <p>Build big picture plans for your team. Advanced Roadmaps is designed to help you build plans across multiple teams.</p>
	<h3>Dependency management & capacity planning</h3> <p>Track dependencies within your team and across your organization to ensure projects deliver on time. Basic dependency management is designed to help you map dependencies within your team. Advanced dependency management is designed to help you map dependencies across multiple teams.</p>
	<h3>Dev- Ops</h3> <p>The DevOps template is designed for high-performing teams to save time and reduce errors by managing work from a variety of tools in one centralized place. It comes pre-provisioned and integrated with other planning, development, and operations tools so you can automatically sync work and easily access code, schedules, documents, and more directly from your project.</p>
	<h3>Bug Tracking</h3> <p>Easily record and track bugs and assign them to the right team members at the right time with the bug tracking template. Create a single source of truth to help your team prioritize against the big picture goals while continuously delivering value to customers.</p>

	<p>Test management with XRAY</p> <p>Xray is a tool that lets you streamline the process of test management and automation. It helps you organize and manage tests, automate the process of test execution, and generate test reports</p>
<h2>Security</h2>	
	<p>Data residency</p> <p>Specify where data is hosted within Atlassian's global cloud footprint to help meet your corporate policies and compliance requirements</p>
	<p>Secure and confidential</p> <p>When you need to troubleshoot a problem or keep a record of important events, such as changes to global permissions, the audit log allows administrators to look back at changes that have been made in your site.</p>
	<p>Authentication Via Ping ID</p> <p>Atlassian Datacenter applications with Daimler SSO and Ping ID integration providing you with a feasibility of Multi-factor authentication.</p>
Apps & Integrations	



Atlassian Marketplace apps

In order to provide a high level performance and a secure platform, we have decided to prioritize the usage of out-of-the-box functionalities and Atlassian-made Apps.

Plugin Name	Usage
eazyBI Reports and charts for Jira	✓ eazyBI is a powerful report, charts, and dashboards add-on for Jira. It is an easy-to-use drag-and-drop tool for analyzing and visualizing your Jira issues data.
Adaptavist ScriptRunner for JIRA	✓ Enhance and automate JIRA workflows, JQL functions, custom fields, listeners and more using Groovy
Portfolio For JIRA	✓ Plan and forecast a realistic roadmap, make data-informed decisions when the unexpected happens, and keep everyone in the know. Create agile roadmaps connected to work in Jira.
Requirements 4 Jira (R4J)	✓ R4J creates a powerful tool for requirements management by leveraging the entire range of Jira features, such as linking between different issue types, workflow definitions, reporting, and dashboards.
OSLC Connect for Jira	✓ OSLC connector for Jira and IBM DOORS Next, Team Concert (EWM), Quality Manager (ETM), Rhapsody, and Siemens Polarion ALM . Preview IBM ELM or Polarion ALM data in Jira
Structure and Pages for JIRA and Confluence	✓ Issue Hierarchy - multi-level, cross-project, hierarchical lists of issues with time aggregation, status rollup, synchronization with Links and JIRA Agile, and more.
Xray	✓ Create test plans for tracking a set of tests and planned or ad hoc test executions. Execute tests on different environments and consolidate results.
JQL Tricks Plugin	✓ Extend JIRA's search capabilities to a whole new level with <i>JQL Tricks plugin</i> enhances the search functionality in Jira Cloud by adding a set of useful JQL aliases that can be used in JQL queries.

Git Integration for Jira	✓ This plugin provides integration features between Jenkins/Hudson and Jira. Making build information related to issues in Jira more visible.
Checklist	✓ Add ToDo list to Jira issues with one click. Create and reuse Templates. Add default checklists to new issues automatically . S
Automation for Jira	✓ Save time and stress by automating Jira. Use triggers, conditions, and actions, and watch your rules do the work for you with Triggers , Conditions & Actions
Backbone Issue Sync for Jira	✓ Simplify collaboration on Jira projects, internally or across organizations, by automating Jira issues synchronization in real time. No need to manually copy, bulk clone, and update Jira issues for multiple projects.
JQL Tricks Plugin	✓ The plugin offers the aliases under the namespace "jqlt" and provides an intuitive way of using the functions in Jira's advanced searching. These aliases are a first class citizen in Jira and can be used in filters, dashboards, rapid boards
Anonymized Project Sync for Jira	✓ Compliance with the Fremdarbeitskräfte (FAK), Germany standard for working with contractors, often presents great difficulties to users, because the communication between customer and contractor companies .must take place via company representatives and direct communication between project teams must be non-personal. Synchronizing issues, versions, and components in two or more Jira projects automatically in real time
Easy Agile User Story Maps for JIRA	✓ Work better as a team to plan and deliver products that your customers value, with our intuitive, agile solution in Jira .The user-friendly story map format supports user story mapping, backlog refinement, and sprint or version planning with tight Jira integration, transforming the flat Jira backlog into a meaningful picture of work.
Better Excel Plugin	✓ Full-blown native Excel exports, spreadsheet reports and Business Intelligence with Custom spreadsheet templates, scripts & merge your Jira field values into custom Excel template files that define the data, cell type and cell format.

	Links Hierarchy	✓ It is a full-featured set of views to track dependencies with progress roll up of all the Jira boards (Epics, sprints...), core links (i.e: blocked, etc), subtasks, and Portfolio/Advanced Roadmaps.
	Adaptavist ScriptRunner for JIRA	✓ The Leading Automation and Customization App: Automate Workflows & Issues, Extend Jira and Improve UX with Groovy Scripts and JQL
	STARC Integration Two-way sync of the STARC defects with specific projects in JIRA using a Kafka technology	
	OSLC Connector For JIRA OSLC connector for Jira and IBM DOORS Next, Team Concert (EWM), Quality Manager (ETM), Rhapsody, and Siemens Polarion ALM . Preview IBM ELM or Polarion ALM data in Jira	
	Elite Integration eLite is an intuitive panel and task management tool that helps plan, organize and conduct meetings. Furthermore, tasks derived from meetings can be processed, forwarded and tracked. The modern user interface enables flexible, mobile and audit-proof working with an JIRA integration	

 **What if I have further questions on SDP?**

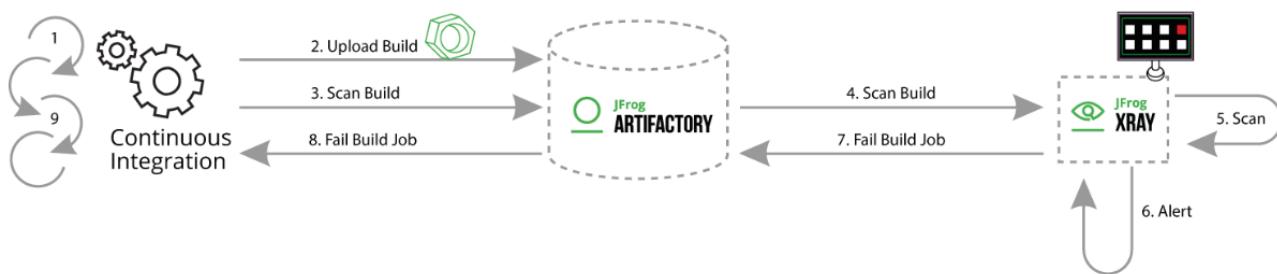
Please ask here → <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/241/create/1641>

2.4 → Artifactory

JFrog Artifactory is the single solution for housing and managing all the artifacts, binaries, packages, files, containers, and components for use throughout your software supply chain.

JFrog Artifactory serves as your central hub for DevOps, integrating with your tools and processes to improve automation, increase integrity, and incorporate best practices along the way.

2.4.1 SECURELY MANAGE THE FULL BINARY LIFECYCLE - *Together with SDP*



JFrog Artifactory

2.4.2 Frictionless, unified management of your software supply chain artifacts

JFrog Projects is a management entity for hosting your resources (repositories, builds, Release Bundles, and Pipelines). Refer: <https://www.jfrog.com/confluence/display/JFROG/Projects>

JFrog Artifactory is a universal DevOps solution providing end-to-end automation and management of binaries and artifacts through the application delivery process that improves productivity across your development ecosystem. It enables freedom of choice supporting 25+ software build packages, all major CI/CD platforms, and DevOps tools you already use. Artifactory is Kubernetes ready supporting containers, Docker, Helm Charts, and is your Kubernetes and Docker registry and comes with full CLI and REST APIs customizable to your ecosystem.

2.4.2.1 Main Key Features of Artifactory

- Universal Binary Repository Manager: Artifactory offers a universal solution supporting all major package formats including Alpine, Maven, Gradle, Docker, Cargo, Conda, Conan, Debian, Go, Helm, Vagrant, YUM, P2, Ivy, NuGet, PHP, NPM, RubyGems, PyPI, Bower, CocoaPods, GitLFS, Opkg, SBT, Swift, Terraform and more.
- Supporting Local, Virtual, Remote and Federated
- Local repositories : Local Repos are physical, locally managed repositories into which you can deploy artifacts.
Typically, these are used to deploy internal and external releases as well as development builds, but they can also be used to store binaries that are not widely available on public repositories such as 3rd party commercial components. Using local repositories, all of your internal resources can be made available from a single access point across your organization from one common URL.
- Remote Repositories: A remote repository serves as a caching proxy for a repository managed at a remote site such as ConanCenter. Artifacts are stored and updated in remote repositories according to various configuration parameters that control the caching and proxying behavior.
- Virtual Repositories: A virtual repository encapsulates any number of local and remote repositories, and represents them as a unified repository accessed from a single URL. It gives you a way to manage which repositories are accessed by developers since you have the freedom to mix, match and modify the actual repositories included within the virtual repository.

- **Replication:** Artifactory's unique set of replication capabilities ensure locality in any network topology and for any development methodology.
- **High Availability:** Full active/active HA solution with live failover and non-disruptive production upgrades.
- **Advanced CI Server integration with Build Tools (Jenkins, Bamboo):** JFrog Artifactory supports build integration whether you are running builds on one of the common CI servers in use today, on cloud-based CI servers or standalone without a CI server. Integration of Artifactory into your build ecosystem provides important information that supports fully reproducible builds through visibility of artifacts deployed, dependencies and information on the build environment.
- **Visibility into builds:** Artifactory provides visibility into your builds through the metadata it attaches to each artifact.
- **Extensive REST API:** Artifactory exposes an extensive REST API that provides access to its features anywhere in the development cycle. Through the API you can manage builds, repositories and artifacts, you can perform searches, apply configurations, perform maintenance tasks and more.
- **Advanced Search with Artifactory Query Language:** AQL (Artifactory Query Language) gives you unprecedented flexibility in how you search for artifacts. It offers a simple way to formulate complex queries that specify any number of search criteria, filters, sorting options and output fields.

2.4.3 See how Artifactory compares

	JFrog Artifactory	Sonatype Nexus IQ	GitHub	GitLab	Cloud Providers (ACR, ECR, GCR)
Supported Package Types & Ability to Proxy Remote Registries	●	●	○	○	○
Artifact Security Scanning	●	●	○	○	○
Hybrid & Multi-Cloud	●	○	○	○	○
Distribution Acceleration with PDN and Edges	●	○	○	○	○
Cold Storage for Artifacts	●	○	●	○	○
Replication & Federated Registries	●	○	○	○	○



JFrog Xray

2.4.4

Security Scan, On-demand scanning

Prioritize and discuss your team's work in context with complete visibility at every level.

JFrog Xray is a universal software composition analysis (SCA) solution that natively integrates with Artifactory, giving developers and DevSecOps teams an easy way to proactively identify vulnerabilities on open source and license compliance violations, before they manifest in production releases.

2.4.4.1 Main Key Features of XRAY

- Early Detection
Xray identifies security vulnerabilities and license violation as early as the dependency declaration stage and blocks builds with security issues from development. Automated and continuous governance and auditing of software artifacts and dependencies throughout the software development lifecycle from code to production.
- Deep Recursive Scanning
Xray recursively scans artifacts, builds and Release Bundles in your system, drilling down to analyze even the smallest binary component that affects your software. For example, when analyzing a Docker image, if Xray finds that it contains a Java application it will also analyze all the .jar files used in this application.
- Continuous Impact Analysis
Xray analyzes how an issue in one component affects all others in your company and displays the chain of impact in a component graph, allowing you to have a clear understanding of the impact one component has on another. It is continuously updated with new security vulnerabilities, performing an impact analysis to determine all artifacts affected by the issue.
- Native Integration with Artifactory
Xray is the only security scanning tool that is natively integrated with JFrog Artifactory.
- Vulnerability Database - NVD (National Vulnerability Database -<https://nvd.nist.gov/>)
Xray comes with JFrog's vulnerabilities database, to which we continuously add new component vulnerability data. Also included is VulnDB, the industry's most comprehensive security database to further extend the range of vulnerabilities you can scan.
- Custom API-Driven Automation
Through an open REST API, Xray lets you define a custom regimen of automated analysis for all components in your system.
- Dependencies Scan
Scan your sources' dependencies using the JFrog CLI for vulnerabilities and licenses violations.
- On-Demand Binary Scan
Point to a binary in your local file system and receive a report that contains a list of vulnerabilities and licenses for that binary using the JFrog CLI.

- Universal Artifact Analysis

In line with JFrog's universal approach, JFrog Xray performs artifact analysis for all major package formats across the CI/CD pipeline. Xray understands each package type, knows how to unpack it and what every underlying layer contains.

2.4.4.2 SDP Offering:

SDP is offering enterprise artifactory application, artifactory is integrated with DevOps tools like Jira, Jenkins and Bamboo ,etc

Jenkins & Bamboo is integrated using artifactory plugin in both the tools with this, users will be able to resolve and deploy artifacts from artifactory repositories

Jira SDP developed a plugin in Jira which will help to store larger attachments more than (25mb) in Jira ticket. actual artifacts will be stored in artifactory application.

IDE Integration: IDE's such as Eclipse, Visual studio, IntelliJ IDEA etc, by installing JFrog Plugin. JFrog Xray automatically performs a scan when the plugin first loaded and on every refresh the scanning can be performed.

SDP offers three types of repositories in artifactory namely - local, remote and virtual

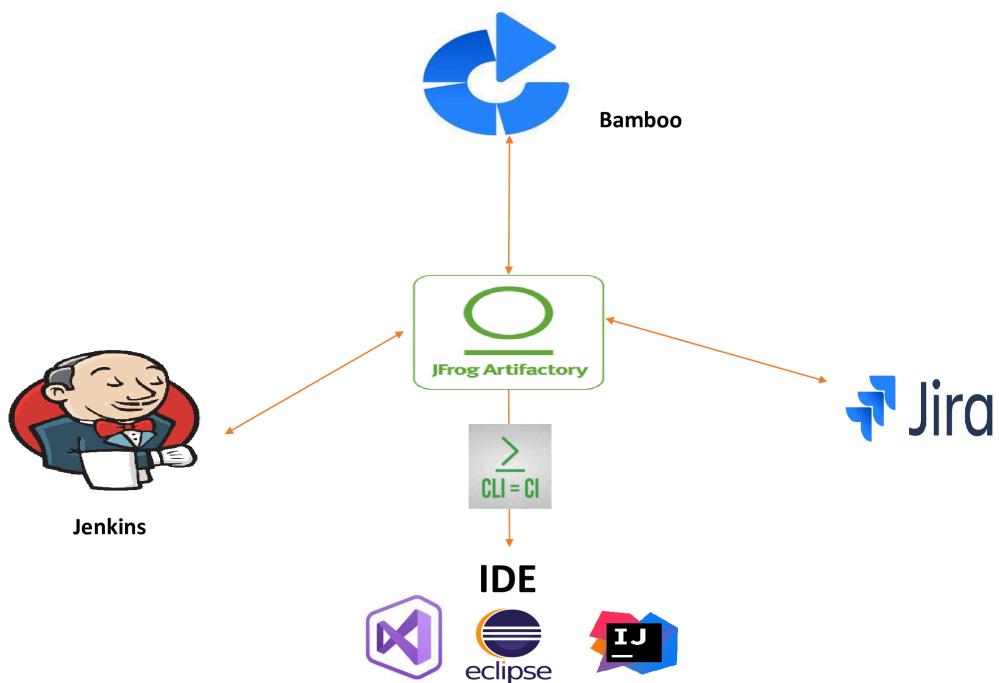
Local repository is physical, locally-managed repositories into which you can deploy artifacts.

Remote repository serves as a caching proxy for a repository managed at a remote URL (which may itself be another Artifactory remote repository).

Artifacts are stored and updated in remote repositories according to various configuration parameters that control the caching and proxying behavior. You can remove artifacts from a remote repository cache but you cannot actually deploy a new artifact into a remote repository.

Virtual repository aggregates several repositories with the same package type under a common URL.

Internal



⚠ What if I have further questions on SDP?

Please ask here → <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/241/create/1641>

2.5 → Bitbucket

2.5.1 Bitbucket is Git-based source code repository hosting service

Bitbucket is a Git-based source code repository. It allows users to do basic Git operations (such as reviewing or merging code) while controlling read and write access to the code.

It also provides integration with other Atlassian tools such as JIRA, Crowd, Crucible, Confluence and other CI tools - Jenkins, Bamboo. Bitbucket provide one place for development team to collaborate on code, build quality code through automated testing, and deploy code with confidence.

Currently we are providing Bitbucket Data Center to performance at scale and High Availability.

For more details, please read the documentation: <https://confluence.atlassian.com/bitbucketserver/bitbucket-data-center-and-server-documentation-776639749.html>

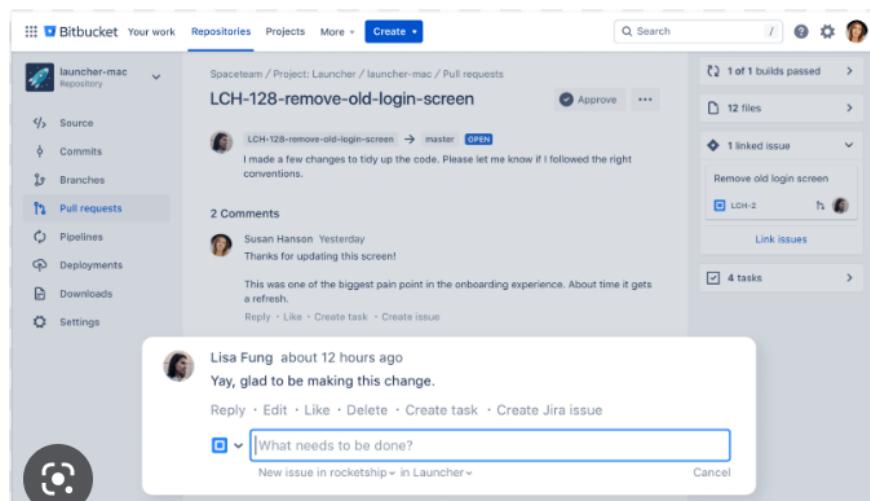
2.5.2 Collaborate across multiple teams

Reduce context-switching by managing your Jira issues in Bitbucket with the built-in Jira UI. And when you include your issue key in commits, your Jira issue statuses update automatically.



2.5.3 Ship quality code

Comprehensive code review features to help you find and fix bugs before you deploy. Review large diffs with ease, view third-party code reports, and open Jira tickets right from the PR screen.



2.5.4 Automate deployments

Use our built-in CI/CD tool, Bitbucket Pipelines, to create powerful, automated workflows. Or connect Bitbucket Cloud to on-prem CI/CD tools like Bamboo or Jenkins.



2.5.5 SDP Offering:

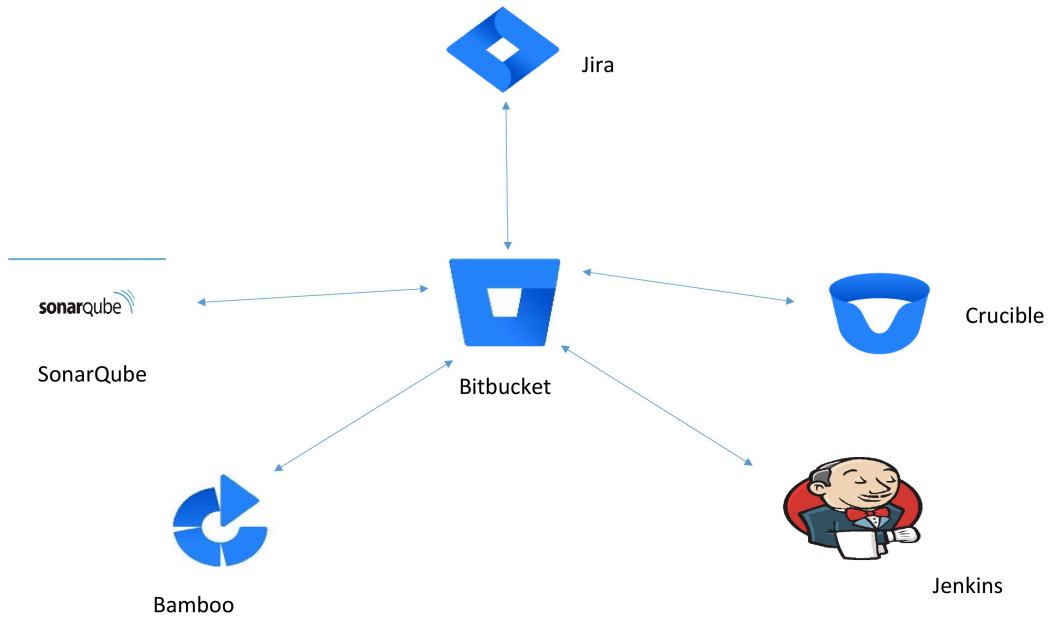
SDP is offering enterprise bitbucket application.

Bitbucket is integrated internally with all Atlassian tools like Jenkins, Bamboo, Jira, Crucible & Crowd, hence there is no need of adding these tools manually during your build life cycle.

Bitbucket is also integrated with non-Atlassian tools like SonarQube, SVN, Artifactory.

- **Jira** issues automatically update to show repo branch, commit, pull request activity, and, if you have Bitbucket Pipelines enabled, your builds and deployments. Jira workflows sync with repo activity to update automatically as you work.
- **Bamboo** automatically starts build when developer pushes the code, updates plan branches to match changes in repository branches. Bitbucket commits are notified in bamboo build, Bamboo provides support to pull request.
- **Crucible** Review Hook for Bitbucket to Integrate Crucible code reviews into your pull request workflow. Crucible Review Hook for Bitbucket allows you to automatically create Crucible reviews whenever a pull request is created and blocks the pull request from being merged unless the review has been completed
- **Jenkins** is integrated using enterprise plugin, so developers can run their jobs in Jenkins with their source code repository stored in bitbucket.
- **SonarQube** is integrated using enterprise plugin, Integrates Sonar into Bitbucket by showing Sonar metrics, test coverage, duplicated lines and code issues in pull requests and by providing checkers to disallow merging of new code if configurable quality thresholds are exceeded.

Internal



Key Features:

Key Features:

- Git repository hosting.
- Pull Request.
- Branch permissions.
- Jira Software integration.
- Projects, Repos configurations.
- REST APIs.
- 3rd party integrations.
- Git Large File Storage (LFS).
- Merge checks.
- Integrate with Jira, Confluence and Bamboo.
- Code search.
- Code insights.
- Clustering.
- Marketplace integrations.
- Issue tracking with JIRA.
- Wiki with Confluence.
- SSO with Crowd.

2.5.5.1 Plugins List:

List of 3rd party Bitbucket Data Center plugins will be available in SDP

Plugin Name	Version
Adaptavist ScriptRunner for Bitbucket Server - Browse ScriptRunner scripts	6.46.0
Code Owners for Bitbucket - Configure Code Owners	4.0.2
Crucible Review Hook for Bitbucket - Crucible Review integration for Bitbucket PullRequests.	3.3.0

Plugin Name	Version
Pages for Bitbucket Server - The Pages add-on provides a simple way to publish web pages in Bitbucket Server.	3.7.3
Security for Bitbucket - Reject commits that contain passwords, private keys, cloud credentials, etc.	3.16.0
Sonar for Bitbucket Server - Integrates Sonar into Bitbucket Server by showing Sonar metrics, test coverage, duplicated lines and code issues in pull requests and by providing checkers to disallow merging of new code if configurable quality thresholds are exceeded.	5.1.0
Webhook to Jenkins for Bitbucket Server - A post-receive/merge webhook that fires a GET on a remote Jenkins URL.	6.2.1

 **What if I have further questions on SDP?**

Please ask here → <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/241/create/1641>

2.6 → Bamboo

2.6.1 Build, test, and deploy with confidence

Atlassian Bamboo is a continuous integration (CI) and continuous delivery (CD) server. Bamboo assists software development teams by providing: **automated building and testing of software source-code status. updates on successful/failed builds.**

Bamboo integration enables developers to create automated build and test processes for any software program. It also provides a platform to segregate builds that have different targets and requirements, an added advantage is its ability to deploy the program automatically into the server for its release, which saves a lot of time as compared to manual testing.

For more details, please read the documentation <https://confluence.atlassian.com/bamboo/using-bamboo-289276852.html>

2.6.1.1 Workflow of Bamboo CI Server

Bamboo's workflow is straightforward when it comes to coordinating the builds and test suites. The configuration of the order of actions in its workflow is generally divided into different segments and sections, which make up the building blocks of its workflow. A high-level understanding of the building blocks of a Bamboo workflow would point you to Plans, Jobs, and Tasks.



Plans consist of a single-stage by default. However, it can be used to group jobs into multiple stages to execute the jobs as and when required. Plans use the same repository to run a series of one or more stages sequentially for faster execution and app testing needs. While you can have separate stages to segregate jobs and tasks within them, Plans ensure that you have everything in one place.

Jobs consists of tasks that are run sequentially on the same agent. They provide you control over the order of the tasks that need to be performed for your build. Jobs collect the requirements of the tasks to map out the capabilities required for it in the understanding of the Bamboo CI Server.

Tasks are the smallest discrete working units that execute the commands given to any system. A general task would comprise of parsing test results, executing Maven goals, running scripts, or executing source code checkouts. Tasks run sequentially within a job on the working Bamboo directory.

Integrating Bamboo CI server for your testing needs is sure to help you scale up the pace of your builds and deployments. The several integrations that are supported by Bamboo will help gather all your requirements in one place for execution and implementation. You can easily integrate Cloudy as your cross-browser testing tool to test your websites and web-apps and analyze your test result on the go.

SDP Offering:

SDP is offering enterprise bamboo application

Bamboo is integrated internally with all Atlassian tools like Bitbucket, Jira, Crucible & Crowd, hence there is no need of adding these tools manually during your build life-cycle.

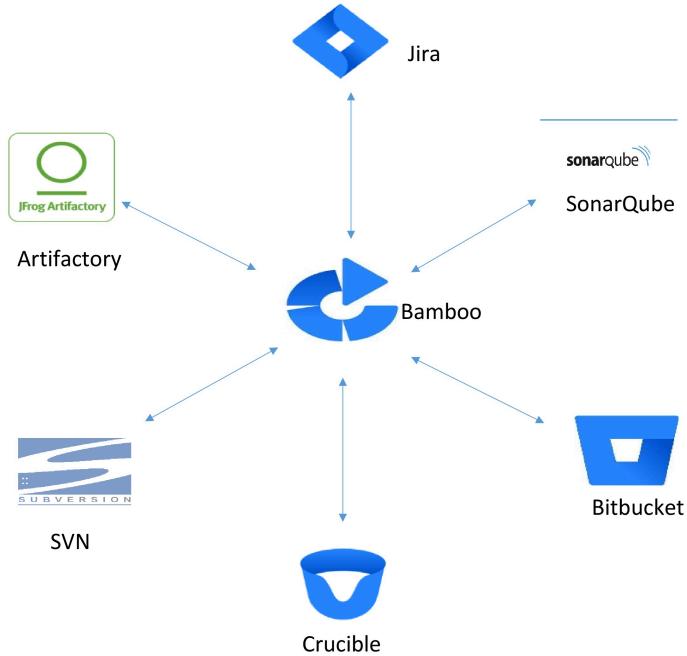
Bamboo is also integrated with non-Atlassian tools like SonarQube, SVN, Artifactory.

Developers write their build pipeline in Bamboo plans, the execution will be happening in their dedicated build servers.

- **Bitbucket** repositories are available in Bamboo to use as a first step SCM checkout (Users will be able to see their repositories in bamboo wherever they have the access.) [Integrating Bamboo with Bitbucket Server | Bamboo Data Center and Server 9.1 | Atlassian Documentation](https://confluence.atlassian.com/bamboo/integrating-bamboo-with-bitbucket-server-9.1-1130000.html)³
- **Jira** tickets will be visible in Bamboo build results so that it is more convenient to developers to see the code level changes in bamboo application.
- **Crucible/Fisheye** developers can view the code changes that trigger the build and much more. <https://confluence.atlassian.com/bamboo/integrating-bamboo-with-fisheye-289276943.html>
- **SonarQube** is integrated using enterprise plugin. In Bamboo tasks to analyze your projects with Sonar for Maven, Gradle, SonarScanner, MSBuild and .NET Core. Also supports auto-branching for Sonar-based code reviews
- **SVN** repositories should be integrated manually under bamboo plan → repositories section.
- **Artifactory** plugin will help developers to deploy artifacts and also resolve dependencies in their build life cycle.

³ <https://confluence.atlassian.com/bamboo/integrating-bamboo-with-bitbucket-server-779302772.html>

Internal



Plugins List:

List of 3rd party Bamboo plugins will be available in SDP

Plugin Name	Version
Bamboo Artifactory Plugin - Artifactory Build Info plugin for Atlassian Bamboo.	3.0.1
Sonar for Bamboo - Bamboo tasks to analyze your projects with Sonar for Maven, Gradle, SonarScanner, MSBuild and .NET Core	2.8.0
Xray Connector for Bamboo - Integrates Bamboo with Xray for Jira	1.1.2

⚠ What if I have further questions on SDP?

Please ask here → <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/241/create/1641>

2.7 → Jenkins Enterprise

2.7.1 The world's most popular and secure CI server



CloudBees CI is a fully-featured, cloud native capability that can be hosted on-premise or in the public cloud used to deliver CI at scale. It provides a shared, centrally managed, self-service experience for all your development teams running Jenkins.

Security: CloudBees allows organizations to install Roll Based Access Control within Jenkins. This keeps users from accidentally or intentionally accessing repos that they shouldn't be allowed to interact with. CloudBees also provides "folders" to segregate specific job executions onto specific agents. Lastly CloudBees allows organizations to create pipeline templates and associated plugins for each team. These templates can be as rigid or loose as desired per the organizations security policies. CloudBees is regularly adding enhancements to further differentiate themselves from Jenkins Open Source and make themselves more appealing to large enterprise requirements.

At SDP SSL Certificate termination will happen at loader balancer level, user must have client certificate to access the Jenkins application, this will ensure without valid certificate no one can reach our jenkins application from internet.

We also implemented split DNS concept with this users who are connecting from Daimler network(intranet) are not required client certificate.

Cloudbees also provides 24x7 support for any outages, when we face any problem, we can raise a support ticket and an expert from cloudbees will solve the issue.

Cloudbees will timely identify the security vulnerability on Jenkins plugins, and they will notify in advance, the vulnerability will be fixed to protect our data and system.

By monitoring plugin versions and comparing the configuration of your instance to plugins identified by CloudBees as verified, trusted, or unverified, Beekeeper provides "envelope enforcement" to provide stability and security.

Developer Centric Experience

Enable developers to spend less time on admin tasks and more time coding. Increase efficiency and speed to release. Understand infrastructure health and build status with customizable dashboards that include Infrastructure health monitoring and alerting and analytics data. Provide repeatable components utilizing Configuration as Code. Dynamically share build agents across controllers allowing for increased performance with decreased cost. Most recently released Developer Centric capabilities include Personalized Slack Messaging which notifies developers of relevant status info and build data at the end of the sequence.

For more details, please read the documentation: <https://docs.cloudbees.com/>

Pipeline Policy and Best Practices Enforcement

Extend team management and security of CloudBees CI role based access by providing advanced Pipeline standardization and policy enforcement. Create and maintain build pipelines with best practices built-in to ensure the sanctity of the CI pipeline. Pipeline Templates Catalog helps ensure that Pipeline builds conform to organizational standards. Check in code, and it just builds. In the event that a build fails, CloudBees CI Checkpoint allows the build to be resumed from the checkpoint just before the failure. CloudBees CI provides many ways to deliver flexibility, efficiency and standardization. For users looking to modernize their Pipelines or deliver Pipelines as Code, Migration Assistant will ease the transition from Freestyle to Declarative Pipelines.

2.7.1.1 SDP Offerings

SDP is offering enterprise Cloudbees Jenkins application.

Jenkins is integrated with tools like Bitbucket, Artifactory, SonarQube, Jira & Crowd using enterprise plugin, hence there is no need of adding these tools manually during your build life cycle.

Bitbucket is integrated using Bitbucket plugin, this automatically creates webhooks in Bitbucket to trigger builds, allows Jenkins to clone/fetch from Bitbucket to run the builds.

It also displays detailed build information in Bitbucket, such as test summaries and durations and also link directly from Bitbucket to the logs for each build.

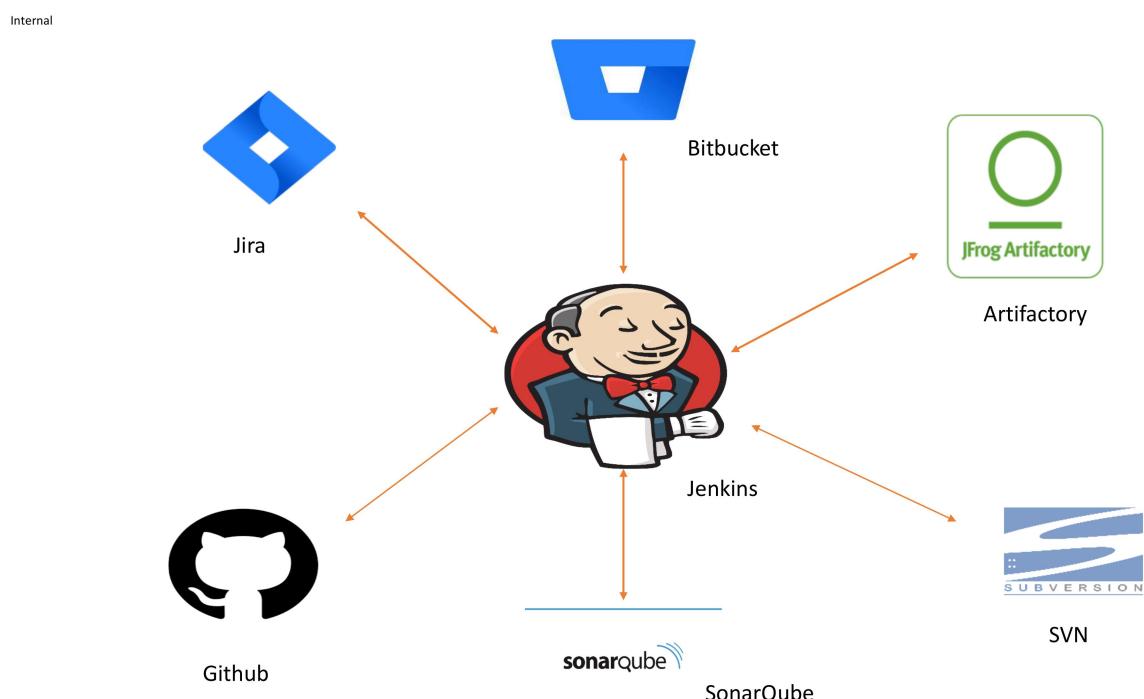
Artifactory is integrated using Artifactory plugin, this plugin allows your build jobs to deploy artifacts and resolve dependencies to and from Artifactory, and then have them linked to the build job that created them. The plugin includes a vast collection of features, including a rich pipeline API library and release management for Maven and Gradle builds with Staging and Promotion.

SonarQube is integrated using SonarQube scanner for Jenkins, this plugin allows an easy integration of SonarQube, the platform for Continuous Inspection of code quality.

Jira is integrated using enterprise plugin, this gives developer more visibility and context on every issue in Jira, showing the latest build status or if work has been successfully deployed to an environment.

GitHub with the help of plugins integrates Jenkins jobs with GitHub repositories for triggering builds and reporting commit status with the help of plugins

SVN is integrated using enterprise plugin, with this developers can track commit volume, track commit trends and edits/changes to commit files in real time and project management team complete control over the codes being committed in the source code repository



Features:

- Build complex delivery pipelines with the Pipeline feature
- Builds that survive controller and agent failures with Pipeline feature
- User-friendly declarative syntax for Pipeline modeling
- Restart builds from checkpointed locations

2.7.1.2 Plugins:

List of Plugins along with the tier category.

Tier 1: Verified/proprietary

Tier 2: Compatible

Tier 3: Community-maintained and unknown plugins

Plugin Name	Tier
ant	1
antisamy-markup-formatter	1
authentication-tokens	1
branch-api	1
cloudbees-administrative-monitors	1
cloudbees-analytics	1
cloudbees-assurance	1
cloudbees-aws-cli	1
cloudbees-blueocean-default-theme	1
cloudbees-even-scheduler	1
cloudbees-folder	1
cloudbees-folders-plus	1
cloudbees-groovy-view	1
cloudbees-ha	1
cloudbees-jsync-archiver	1

cloudbees-label-throttling-plugin	1
cloudbees-license	1
cloudbees-long-running-build	1
cloudbees-monitoring	1
cloudbees-nodes-plus	1
cloudbees-platform-common	1
cloudbees-platform-data	1
cloudbees-plugin-usage	1
cloudbees-quiet-start	1
cloudbees-ssh-slaves	1
cloudbees-support	1
cloudbees-template	1
cloudbees-uc-data-api	1
cloudbees-unified-ui	1
cloudbees-view-creation-filter	1
cloudbees-workflow-template	1
cloudbees-workflow-ui	1
config-file-provider	1
credentials	1
credentials-binding	1

declarative-pipeline-migration-assistant	1
declarative-pipeline-migration-assistant-api	1
display-url-api	1
git	1
git-client	1
github-branch-source	1
github-pull-request-build	1
git-server	1
git-validated-merge	1
gradle	1
infradna-backup	1
jackson2-api	1
javadoc	1
junit	1
kubernetes	1
ldap	1
mailer	1
mapdb-api	1
metrics	1
nectar-license	1

nectar-rbac	1
operations-center-agent	1
operations-center-client	1
operations-center-cloud	1
operations-center-context	1
plain-credentials	1
saml	1
scm-api	1
script-security	1
skip-plugin	1
snakeyaml-api	1
ssh-credentials	1
ssh-slaves	1
structs	1
timestamper	1
token-macro	1
user-activity-monitoring	1
variant	1
wikitext	1
windows-slaves	1

workflow-cps-checkpoint	1
ace-editor	2
active-directory	2
analysis-model-api	2
apache-httpcomponents-client-4-api	2
aws-credentials	2
blueocean	2
blueocean-autofavorite	2
blueocean-bitbucket-pipeline	2
blueocean-commons	2
blueocean-config	2
blueocean-core-js	2
blueocean-dashboard	2
blueocean-display-url	2
blueocean-events	2
blueocean-github-pipeline	2
blueocean-git-pipeline	2
blueocean-i18n	2
blueocean-jwt	2
blueocean-personalization	2

blueocean-pipeline-api-impl	2
blueocean-pipeline-editor	2
blueocean-pipeline-scm-api	2
blueocean-rest	2
blueocean-rest-impl	2
blueocean-web	2
bootstrap4-api	2
bouncycastle-api	2
build-timeout	2
checks-api	2
cloudbees-bitbucket-branch-source	2
command-launcher	2
conditional-buildstep	2
configuration-as-code	2
copyartifact	2
dashboard-view	2
data-tables-api	2
deployed-on-column	2
deployer-framework	2
docker-commons	2

dockerhub-notification	2
docker-workflow	2
durable-task	2
echarts-api	2
email-ext	2
favorite	2
font-awesome-api	2
forensics-api	2
github	2
github-api	2
google-oauth-plugin	2
handy-uri-templates-2-api	2
htmlpublisher	2
jacoco	2
jaxb	2
jdk-tool	2
jenkins-design-language	2
jjwt-api	2
jquery3-api	2
jsch	2

kubernetes-client-api	2
kubernetes-credentials	2
matrix-auth	2
matrix-project	2
maven-plugin	2
momentjs	2
node-iterator-api	2
oauth-credentials	2
okhttp-api	2
pam-auth	2
parameterized-trigger	2
pipeline-build-step	2
pipeline-github-lib	2
pipeline-graph-analysis	2
pipeline-input-step	2
pipeline-milestone-step	2
pipeline-model-api	2
pipeline-model-definition	2
pipeline-model-extensions	2
pipeline-stage-tags-metadata	2

pipeline-stage-view	2
popper-api	2
pubsub-light	2
run-condition	2
sse-gateway	2
ssh-agent	2
support-core	2
suppress-stack-trace	2
trilead-api	2
unique-id	2
warnings-ng	2
workflow-aggregator	2
workflow-api	2
workflow-basic-steps	2
workflow-cps	2
workflow-cps-global-lib	2
workflow-durable-task-step	2
workflow-job	2
workflow-multibranch	2
workflow-scm-step	2

workflow-step-api	2
workflow-support	2
android-signing	3
ansible	3
ansible-tower	3
ansicolor	3
artifactory	3
async-http-client	3
authorize-project	3
aws-java-sdk	3
azure-commons	3
backup	3
badge	3
basic-branch-build-strategies	3
bitbucket	3
bitbucket-pullrequest-builder	3
blueocean-jira	3
btc-embeddedplatform	3
build-blocker-plugin	3
build-metrics	3

build-monitor-plugin	3
build-name-setter	3
build-pipeline-plugin	3
build-timestamp	3
build-user-vars-plugin	3
build-view-column	3
build-with-parameters	3
built-on-column	3
chucknorris	3
cloudbees-credentials	3
cloudbees-disk-usage-simple	3
clover	3
cmakebuilder	3
cobertura	3
codebeamer-result-trend-updater	3
codebeamer-xunit-importer	3
code-coverage-api	3
codesonar	3
collapsing-console-sections	3
configurationslicing	3

confluence-publisher	3
cppcheck	3
create-fingerprint	3
crowd2	3
cvs	3
degraph-view	3
deploy	3
docker-build-publish	3
docker-custom-build-environment	3
docker-traceability	3
doxygen	3
dtkit-api	3
dynamic_extended_choice_parameter	3
ec2-deployment-dashboard	3
email-ext-recipients-column	3
embeddable-build-status	3
envinject	3
envinject-api	3
environment-dashboard	3
extended-choice-parameter	3

extended-read-permission	3
extensible-choice-parameter	3
ftppublisher	3
gatling	3
gerrit-trigger	3
gitbucket	3
git-changelog	3
github-issues	3
github-oauth	3
gitlab-oauth	3
git-parameter	3
global-build-stats	3
groovy	3
groovy-postbuild	3
handlebars	3
hidden-parameter	3
hipchat	3
http_request	3
http-post	3
icon-shim	3

image-gallery	3
image-tag-parameter	3
ivy	3
jenkinslint	3
jenkins-multijob-plugin	3
jira	3
jira-ext	3
jira-steps	3
JiraTestResultReporter	3
jira-trigger	3
jobConfigHistory	3
job-dsl	3
jobgenerator	3
job-import-plugin	3
jquery	3
jquery-detached	3
jquery-ui	3
kerberos-sso	3
kubernetes-cli	3
kubernetes-pipeline-devops-steps	3

list-git-branches-parameter	3
lockable-resources	3
log-parser	3
logstash	3
m2release	3
mercurial	3
mission-control-view	3
naginator	3
nodeLabelparameter	3
notification	3
nunit	3
openid	3
openid4java	3
parameterized-scheduler	3
parameter-separator	3
parasoft-findings	3
perfpublisher	3
piketec-tpt	3
pipeline-utility-steps	3
plot	3

postbuild-task	3
powershell	3
prereq-buildstep	3
preSCMbuildstep	3
project-build-times	3
prometheus	3
promoted-builds	3
prqa-plugin	3
quality-gates	3
rebuild	3
repository-connector	3
resource-disposer	3
robot	3
role-strategy	3
schedule-build	3
scons	3
simple-theme-plugin	3
sloccount	3
sonar	3
sonar-gerrit	3

ssh	3
ssh-steps	3
StashBranchParameter	3
stashNotifier	3
subversion	3
testng-plugin	3
test-results-analyzer	3
thinBackup	3
throttle-concurrents	3
translation	3
uno-choice	3
update-sites-manager	3
valgrind	3
ws-cleanup	3
xcode-plugin	3
xunit	3
xvfb	3
xvnc	3
zephyr-for-jira-test-management	3

 **What if I have further questions on SDP?**

Please ask here → <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/241/create/1641>

2.8 → SonarQube Enterprise

2.8.1 Your teammate for Code Quality and Code Security

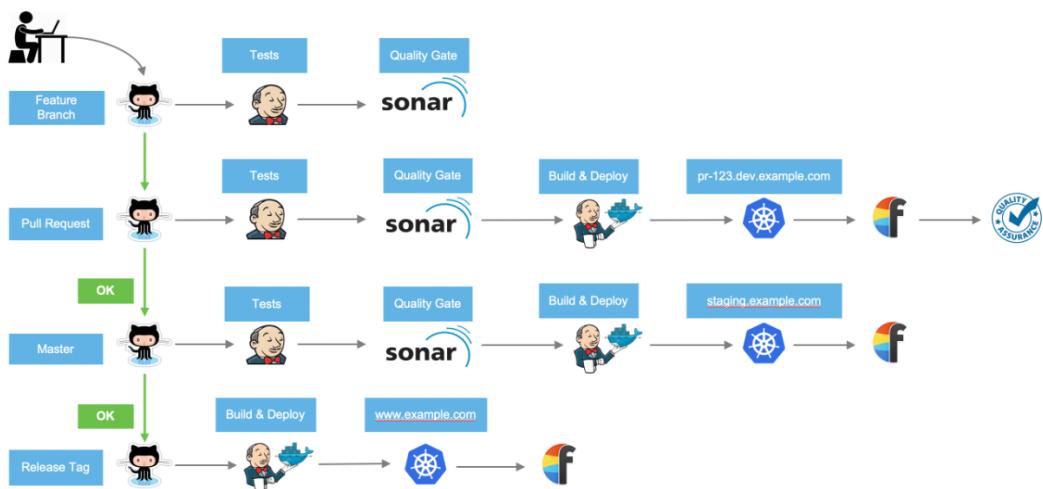
SonarQube empowers all developers to write cleaner and safer code.

SonarQube is a static analysis code tool. It basically goes through developers' code and identifies errors at the early stage (Shift Left). It is used by developers to manage source code quality and consistency.

Maintainability, Reliability and Security in your language!

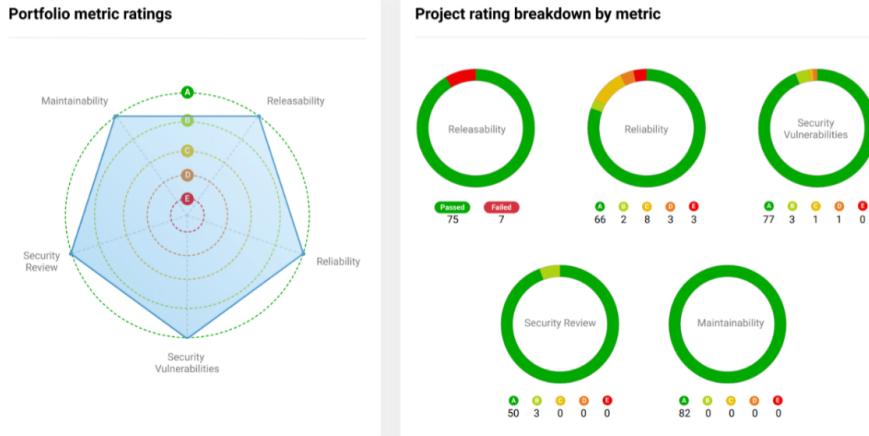
For more details, please read the documentation: <https://docs.sonarqube.org/latest/>

SonarQube in Development Workflow:



2.8.1.1 Enhance Your Workflow with Continuous Code Quality & Code Security

Thousands of automated **Static Code Analysis rules**, protecting your app on multiple fronts, and guiding your team.



Some of the code quality checks are:

- Potential Bugs
- Code defects to design inefficiencies — Identifies the code which is not compatible with the design structure of the application.
- Code duplication — Code duplications take a lot of memory. The tool can identify those things.
- Lack of Test Coverage — There maybe we are not enough tests written to application. The tool can identify those things.
- Excess complexity — Tool can identify a much more simple may to complex code segments.

SonarQube detects coding issues during code review, and lets you track overall health of your codebase.

SDP Offering

SDP is offering enterprise SonarQube application.

SonarQube is integrated with Bitbucket, Crowd, Bamboo & Jenkins hence there is no need of adding these tools manually during your code review.

Github Integration with Sonar: SonarQube's integration with GitHub Enterprise and GitHub.com⁴ allows you to maintain code quality and security in your GitHub repositories.

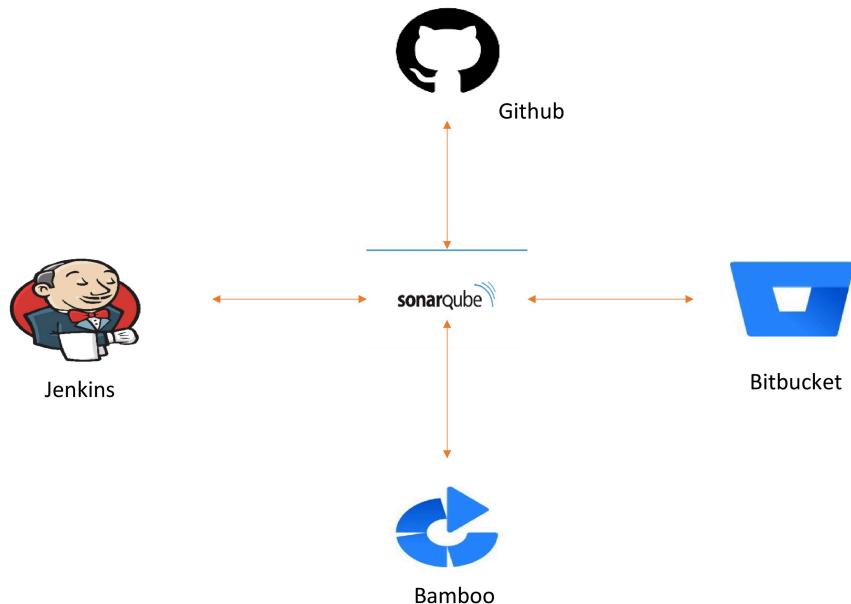
Jenkins is integrated with SonarQube, and it performs automated code analysis as part of the build process. It can also be configured to perform post-build action, which will trigger the analysis automatically after the build is complete.

Bamboo is integrated with SonarQube which is configured to perform post-build action, which will trigger the analysis automatically after the build is complete.

Bitbucket is integrated with a plugin, automated code analysis to be performed as part of the development workflow. Every time a change is pushed to the repository, the integration triggers the SonarQube analysis automatically, allowing developers to identify potential issues and bugs early on in the development process.

⁴ <http://GitHub.com>

Internal



Plugins list

Plugin Name	Version
Checkstyle Analyze Java code with Checkstyle	10.1
Crowd Delegates authentication to Atlassian Crowd.	2.2.0
Extras Ansible Lint Rules Extra rules for the Ansible lint plugin for SonarQube	2.5.1
Findbugs Analyze Java, Scala, Closure and JSP code with SpotBugs. 4.7.0	4.1.5
Mutation Analysis Sonar Plugin for integrating and visualizing mutation analysis results	1.6
PMD Analyze Java code with PMD.	3.4.0

Plugin Name	Version
PVS-Studio Plugin Imports PVS-Studio analysis results	7.12
YAML Analyzer YAML 1.1 plugin for SonarQube	1.7.0

❗ **What if I have further questions on SDP?**

Please ask here → <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/241/create/1641>

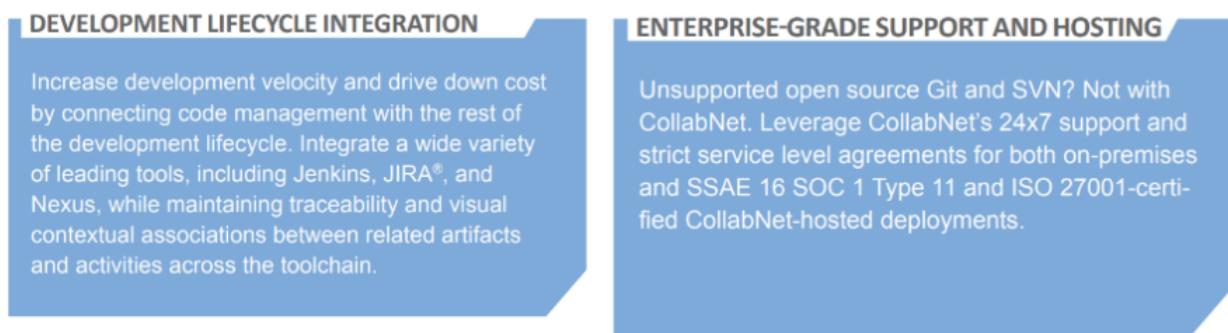
2.9 → Subversion

2.9.1 Enterprise-class centralized version control for the masses

TeamForge SVN SCM is the industry's #1 enterprise Source Code Management platform. With TeamForge SVN SCM, enterprises and government agencies leverage the advantages of centralized (SVN) version control systems, while providing a better experience for developers.

TeamForge SVN delivers fast code access, high availability, and effective centralized management of geographically distributed Subversion replication servers. It supports SVN federation and search across enterprise SVN servers, enabling automatic discovery and integration of standalone SubversionEdge instances across the network.

TeamForge SCM is the only solution on the market that facilitates effective management of Subversion at enterprise scale.



HIERARCHICAL, PERSISTENT FINE-GRAINED ACCESS CONTROLS:

Let your development teams use Git, Subversion, or both without sacrificing governance or IP security. TeamForge roles govern access to the tools used throughout the development process, so you can define role-based permissions across the board. Grant site-wide access across all TeamForge repositories or restrict it to project groups or a particular project. Allow access to all branches within a repository or limit it to a specific branch only. These comprehensive controls can encompass all users inside the enterprise, as well as guests and anonymous users.

TeamForge fine-grained access controls and permissions cover both Git and Subversion repositories.

ENRICH OPEN SOURCE SVN AND GIT WITH UNIQUE CAPABILITIES THAT INCLUDE:

- Traceability and visual association of code changes and related development activities
- Consistent browsing, management, and operations—plus the ability to share groups, roles, and permissions across Git and SVN repositories
- Cutting-edge enterprise Git features, including fine-grained access controls, traceability, tamper-proof audit trails, history protection, branch-deletion undo, code reviews, and customizable commit gating policies
- Repository replication to improve performance and reduce server load
- 24/7 enterprise-level support

CODE BROWSER:

TeamForge is the only platform on the market to include a common code browser for Subversion. It combines an easy-to-use universal interface with SVN-specific features to deliver maximum performance. Rapidly navigate any code repository—large or small. Leverage the TeamForge context to view and drill down on specific activities and artifacts associated with the committed code like code reviews, bug fixes, and CI builds.

The code browser delivers an intuitive user interface with native TeamForge look and feel.

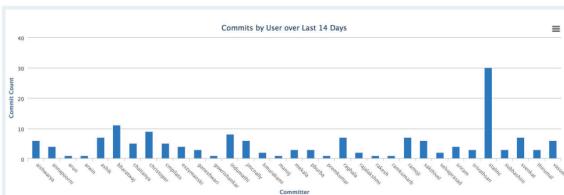
The Associations Viewer enables viewing and drilling down on activities and artifacts associated with the code.

SCM REPORTING:

TeamForge SCM delivers actionable reporting on SCM-related activities and metrics. Monitor project progress and drive adherence to best practices with pre-packaged reports and dashboards depicting build, commit, and test activities; commits per user; file changes over time; and other relevant metrics. Create custom reports covering various events, artifacts, and associations by querying data through an easy-to-use API.



Build and test activity report displays the total number of CI tests performed for each build over a period of time.



Commits by user report shows commit activity by each member of the team.

THE BEST ENTERPRISE SCM SOLUTION FOR JIRA:

Leverage TeamForge SCM's comprehensive out-of-the-box integration with Atlassian's JIRA to boost its value with unrivaled enterprise SCM capabilities for SVN, end-to-end contextual traceability, and integration with best-of-breed open source and commercial tools. Associate JIRA issues with related downstream artifacts and activities, such as TeamForge SVN code commits, Jenkins CI builds, and Nexus binaries, to ensure visibility, quality, and faster issue resolution. View associations on a timeline and drill down on details of each activity and artifact with the TeamForge Associations Viewer—all within the JIRA or TeamForge interface.

The screenshot shows a JIRA issue page for 'MLB Defects / MD-1'. The issue is titled 'Add licensing constraints' and is a 'Task' of priority 'Medium'. It has a status of 'TO DO (View Workflow)' and a resolution of 'Unresolved'. The 'TeamForge Associations' section shows a timeline of activities:

Date	By	ID Source	Summary
Jul 28 2015	nicholas_cn	75 WSeries SVN	[MD-1] Jira Task
Jul 17 2015	victor	73 WSeries SVN	[MD-1] Made room for new methods in App.java and added placeholder doc...
Jul 17 2015	victor	72 WSeries SVN	[MD-1] Proposing changes to pom.xml. Need to restructure the way our data...

The integration renders TeamForge downstream context and associations directly in JIRA.

2.9.1.1 SDP Offerings

SDP is offering enterprise TeamForge SVN application.

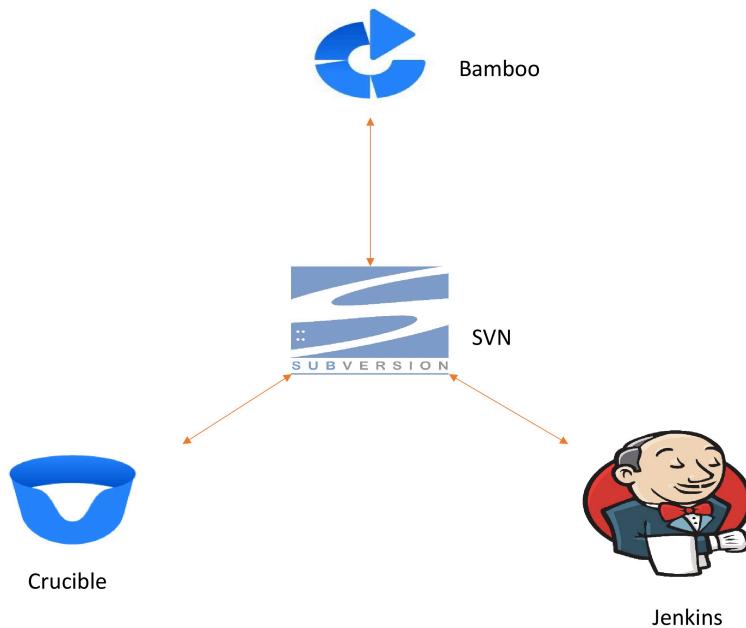
SVN is integrated with tools like Crucible, Bamboo, Jenkins & Crowd using enterprise plugin, hence there is no need of adding these tools manually during your build life cycle.

Crucible can be integrated with SVN manually, with this integration users can create a code review and the author can view the feedback provided by the reviewers and integrate it into the code. This integration can streamline your code review process and ensure that your code changes are thoroughly reviewed and approved before they're committed to the repository.

Bamboo can be integrated with SVN, repositories should be integrated manually under bamboo plan → repositories section.

Jenkins is integrated using enterprise plugin, with this developers can track commit volume, track commit trends and edits/changes to commit files in real time and project management team complete control over the codes being committed in the source code repository

Internal



What if I have further questions on SDP??

Please ask here → <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/241/create/1641>

2.10 → Crucible

2.10.1 Collaborative code review

2.10.2 Ship high quality code.

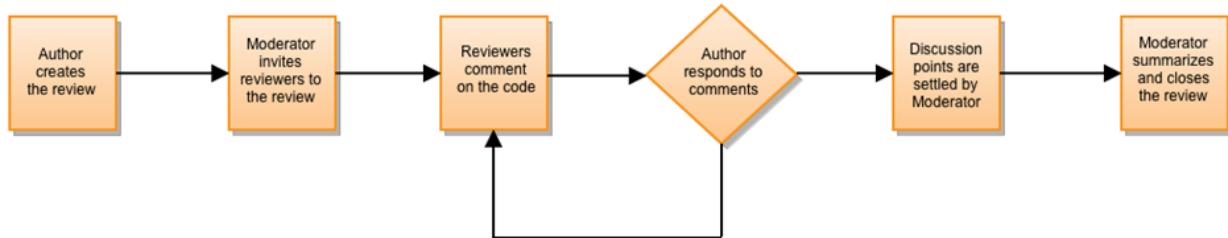
Review code, discuss changes, share knowledge, and identify defects across SVN, Git, Mercurial, CVS, and Perforce.

Crucible by **Atlassian** is a tool of "code review" type which makes it possible for people responsible for a code quality to check its particular parts, suggest changes and cooperate with developers in improving it. Owing to **Crucible**, reviewing a code along with its different versions is easy, fast and clear. The application allows assigning users to particular elements, commenting and following changes introduced by other people, in real

time. The integration with other Atlassian applications makes it easier to manage the whole cycle of software development.

For more details, please read the documentation: <https://confluence.atlassian.com/crucible/crucible-documentation-home-298977323.html>

Workflow:



2.10.2.1 Review

Create formal, workflow-based, or quick code reviews and assign reviewers from across your team.



2.10.2.2 Discuss

Turn any code review into a threaded discussion and comment on specific source lines, files, or an entire changeset.



2.10.2.3 Track

Take action on what's important with unified views into your code activity for commits, reviews, and comments.



2.10.2.4 Report

Improve code quality with data on which parts of your codebase have not been sufficiently reviewed. Get a quick view of review status and who might be holding up reviews.

The screenshot shows a GitHub pull request interface. On the left, there's a vertical bar with user names and their commit history: Liang Zheng (acc14ed), Vitalii Petrychuk (1331923), Liang Zheng (acc14ed), and Lukasz Kuzynski (14e462d). The main area displays a block of JavaScript code with line numbers 59 through 76. Lines 59-65 are highlighted in red, and lines 64-76 are highlighted in green. A pink horizontal bar spans across the code area from line 59 to line 65. Below the code, there's a comment from Cezary Zawadka: "I guess it's JS way of converting strings to numbers?". Below this comment are standard GitHub interaction buttons: Reply, Mark as unread, Add to favourites, Create issue, and a timestamp of 15 Sep. Another comment from Lukasz Kuzynski follows, saying "Yep - the shortest way 😊", also with its own set of interaction buttons and a timestamp of 15 Sep. The background of the code editor is light blue.

```

var line = lines[i];
if (count !== 0 && line === (parseInt(lines[i - 1], 10) + 1)) {
    if (line === (parseInt(lines[i + 1], 10) - 1)) {
        lineStr += "-" + line;
        count = 0;
    } else {
        count++;
    }
}
var ranges = [];
lines = lines.map(function (line) {
    return +line;
});

};

var rangeStart;
var rangeEnd;
for (var i = 0; i < lines.length; i++) {
    rangeStart = lines[i];
    rangeEnd = rangeStart;
    while (lines[i + 1] === lines[i] + 1) {
        rangeEnd = lines[i + 1];
        i++;
    }
}

```

2.10.2.5 SDP Offerings:

SDP is offering enterprise Crucible application

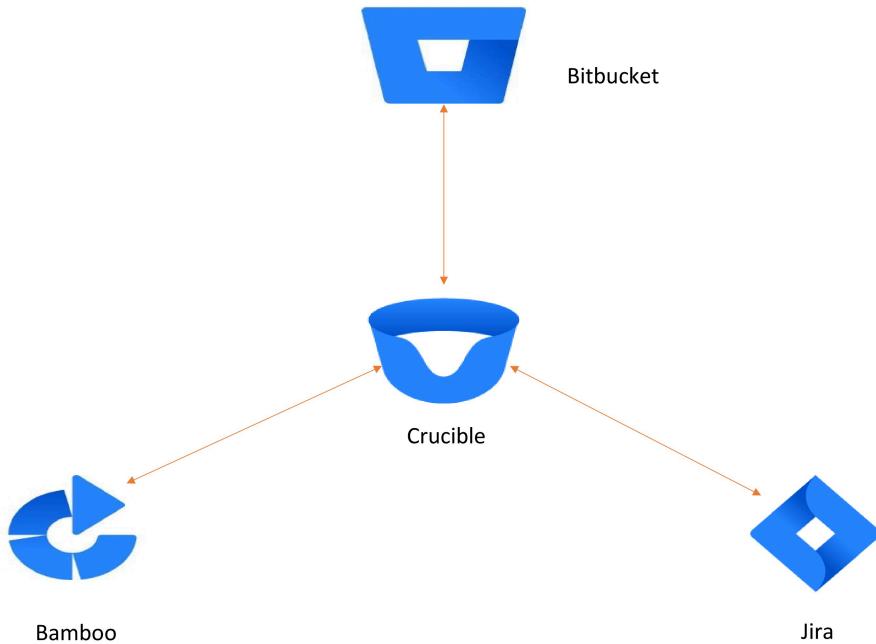
Crucible is integrated internally with all Atlassian tools like Bitbucket, Jira, Bamboo & Crowd, hence there is no need of adding these tools manually during your build life cycle.

Bitbucket integration with Crucible allows developers to automatically create Crucible reviews whenever a pull request is created and blocks the pull request from being merged unless the review has been completed with the code in Bitbucket repository.

Jira integration helps the developer to check development progress of a version in Jira and developers can see all the Crucible reviews related to it in Jira,

Bamboo developers can trigger the build and review the code changes directly in crucible.

Internal



Pre-commit reviews: Review code before check in and ensure any code going into production has been reviewed.

Jira Software integration: Automatically update Jira Software issues based on review activity and or turn review comments into issues with one click.

Real-time notifications: Stay on top of all the activity in your projects with personalized notifications and review reminders.

Charts and reports: Keep stakeholders informed with charts and code metrics that show lines of code (LOC) committed, top committers, the volume of changes on the project through its history, and more.

Audit and compliance: Access all code review details, down to the history of a specific code review and have traceability with issues and source code if you are utilizing Jira Software and Fisheye.

Iterative reviews: Ensure all files you are reviewing are current as code is re-factored and changed throughout the review process.

Plugins List:

List of 3rd party Bitbucket Data Center plugins will be available in SDP

Plugin Name	Version
catworkx Daimler End User Monitoring for Atlassian Applications This Cross Application App provides a Javascript snippet for monitoring end users experience via Javascript.	1.0

Plugin Name	Version
Look and Feel plugin for Fisheye and Crucible Allows you to customize FishEye and Crucible look and feel.	1.1.1

❗ What if I have further questions on SDP??

Please ask here → <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/241/create/1641>

3 Cost Information

3.1 Scope:

This page provides information on the cost of using SDP.

3.2 SDP Tariff (Cost/Pricing):

As SDP is sponsored by RD, this platform is free for all RD department projects across the globe.

PS: Any future changes to the costing model, will be communicated to the respective project owners accordingly.

4 FAQ ?

Test Cases & base lining

- General Queries:(see page 63)
- Collaboration Applications: 'Jira & Confluence'(see page 71)
- CICD Applications: 'Bitbucket, Bamboo, Crucible, Artifactory, SonarQube, Jenkins & TeamForge(SVN)'(see page 75)

4.1 General Queries:

Questions	Answers
About SDP	Software Development Platform Read more: https://gsep.daimler.com/confluence/x/LKeEOg
SDP Social Intranet?	https://social.cloud.corpintra.net/groups/sdp/
How will the migration take place?	The GSEP platform will be re-hosted in the cloud (AWS) as an SDP, using a lift and shift or as-is migration approach.
Tariff Information?	SDP cost information is documented here. https://gsep.daimler.com/confluence/x/wtapPw
Will the URL change everywhere?	Yes. For example, the current base URL will change from http://gsep.daimler.com/ to https://sdp.i.mercedes-benz.com/ .
Do I have to update the URL in all my projects by myself after the migration?	<p>Yes and No.</p> <p>We will ensure that all links within our applications are changed to the new URLs. But, we cannot do this for other systems or external documentation. All external links will have to be changed to work after the migration.</p> <p><i>"Mercedes-Benz will no longer own the domain "daimler.com⁵". All URLs must be changed to mercedes-benz.com⁶ by the end of 2023.</i></p> <p><i>Usually, the old domain is still owned by a company. So the IT department can implement a hard-coded redirection in the infrastructure. Every old link would then be redirected to the new URL to keep old links usable until they are corrected. After a few years, the redirection would be deactivated to finally sundown the old domain.</i></p> <p><i>In our case, this is not possible because we no longer own the old domain, therefore every single link has to be updated to the new URL.</i></p> <p><i>We will make sure that all links within our tools are automatically changed to the new URL. If you are linking to a Jira ticket or Confluence page from elsewhere, you will need to update the links yourself."</i></p>

⁵ <http://daimler.com>

⁶ <http://mercedes-benz.com>

Questions	Answers
Do I need a new certificate to access the SDP?	Yes, a new certificate will be issued to your registered email ID.
Can Externals & Suppliers access the SDP?	Yes, the SDP will be accessible via the Internet and will be available to External users & Supplier users.
Can I have a backup of my project data before it is migrated?	We have a backup strategy to ensure that your data is safe and can be restored if necessary. We also ensure that you can access your data backup on demand*.
Will I lose data?	No. There will be no loss of data during migration as we follow a 'lift and shift' approach to migrate.
Will the SDP offer the same tools as the GSEP?	Yes it will. All the tools in the current GSEP platform will be retained in the SDP.
When will my project be migrated?	All concerned projects will be migrated to the SDP production environment by the end of August 2023.
Can I now onboard new projects directly into the SDP?	No, users cannot currently onboard new projects directly into the SDP.
Can I onboard new projects to GSEP now & will you migrate them to SDP as part of the migration?	Yes, of course you can create new project via GSEP Helpdesk (corpintra.net) ⁷
Can I stay on GSEP forever?	No. GSEP will sundown at the end of Aug'2023.
Will there be a Test environment in the SDP to check the migrated data?	Yes, we have the Test environment to perform the UATs.
Who is informed/called for the UAT?	All relevant users of the SDP project's are being communicated about the UAT/progress.
Where can I register/nominate for the UAT?	You can subscribe here at '  Click here for UAT Subscription 
What is UAT?	It is 'User Acceptance Test'

⁷ <https://gsep.app.corpintra.net/helpdesk/faces/portlets/index.xhtml>⁸ <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/321/create/1981>

Questions	Answers
Will the performance be better in the SDP?	Yes. Much better! Cloud should do the trick!
Where are the SDP applications hosted?	They are hosted on the AWS Cloud European region and mirrors are in the respective regions.
Does the SDP use ZULA for Access Management?	Yes, it will. As per the RD mandate, all RD applications must use Zulaplus for access and authorization.
Can I store confidential data in the SDP?	Yes. you can store confidential data in the SDP.
Can I store secret data in the SDP?	No, you are not allowed to store secret data in the SDP.
What is the data classification of the SDP?	The SDP is classified the same as GSEP: <ul style="list-style-type: none"> • Confidential • Availability critical • Integrity critical • Continuity critical
Does SDP provide 24x7 support?	Yes, you will continue to receive the same 24x7 support as GSEP.
All plugins currently available on GSEP will also be available in the SDP?	Mostly yes, see overview here GSEP Tools ⁹ .
How do I update my project information?	You can keep your project information up-to-date by following the steps as given in this link: https://gsep.daimler.com/confluence/x/acZhlw
What are the Big5 Series?	IDC6 [ADAS (Advanced Driver Assistance System)], CEIC [Body], CDCL/CDCC [Powertrain], CIVIC [Infotainment] & TCU [Communication (Connectivity Unit)]
Can I merge my multiple projects to 1 or >1, before or after SDP migration?	Yes, the choice is yours. <i>The GSEP platform will be re-hosted in the cloud (AWS) as SDP, using a "lift-and-shift" or "as-is" migration approach. This means that all GSEP projects that choose to migrate to the SDP will be moved as-is from the GSEP platform to the SDP. Thereby, you will have the option to merge your respective projects before or after the migration (if the application/technology permits).</i>

⁹ <https://gsep.daimler.com/confluence/display/GSEPUKB/GSEP+Tools>

Questions	Answers
Can we access internal Mercedes-Benz IPs that are not accessible from the outside?	All applications hosted on the AWS cloud (SDP) will connect to on-prem machines/applications within the DCN using the direct connect feature of AWS.
Will there be possibilities for external collaboration or MS TEAMS integration?	No, there will be no MS TEAMS integration at this time.
Can I test my projects in the SDP QA environment before migrating to production?	Yes, the UAT is underway since 03 Apr 2023 . This basically means that the SDP project users will have the opportunity to test the business use cases for their individual projects in the SDP Test environment.
Is it the same SDP certificate used on the Test and Prod instances?	Yes
Will the current GSEP certificate (in use) be valid after you generate the new one for SDP?	GSEP certificate will be invalid in SDP environment. The SDP certificate that has been provided is valid until March 2025.
I have not yet received my SDP Client Certificate.	We will be issuing a personal client certificate to all subscribers ¹⁰ as we are currently in the UAT phase.
Are there any changes when migrating from GSEP to SDP?	There are absolutely NO changes to the SDP offerings. All existing functionality/features will be available in the SDP platform. Few intranet applications such as Jenkins will now be internet facing and there will be an improvement in the performance of the tools.
Will the SDP be accessible/ work from the iPhone/CoD?	At the moment NO .
GSEP uses client certificates which can be tricky with technical accounts, pipelines etc. Will this approach remain the same with SDP?	The client certificate approach will remain the same due to security protocols. The SDP team will be distributing client certificates for technical accounts to their owners.
How will the SDP team contact the Project team for UAT?	Communication about the UAT will take place through 'Townhalls, Newsletters, Emails and dialogue with SDP (webinars) sessions'.

¹⁰ <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/321/create/1981>

Questions	Answers
What does the RD team need to do during migration preparation and final cut-over? Will they need to be involved in UAT and dress rehearsals?	The RD project teams must participate in UAT and dress rehearsals to validate the data and understand the action items from their perspective during the migration.
Who validates and corrects the migrated data?	The project team (users) must validate their data by participating in the UAT & the SDP team will correct the data if there are any discrepancies.
Who is the SDP focal point for organizing the UAT/rehearsals?	There is no SDP focal, we have a whole SDP team who is organizing the UAT.
When & how does the supplier users get access to the SDP?	All relevant project users, including supplier users, have already been granted access to the SDP Test environment.
Who is the SPOC/contact person for UAT activities?	Actually there are no dependencies to perform UAT by users, application wise Runbooks ¹¹ are provided to kick start your UAT, however we have a team of technical experts to support users at any point if they get stuck. Contact us - Click here to ask questions about SDP Migration ¹² (or) Click here to report issues/bugs during your UAT ¹³ .
Will new tools/services be included in the SDP?	No, not during the migration. But yes, we will have new tools/services post go-live and on demand basis.
What is the difference between SDP and MCP?	please read here, About SDP ¹⁴ and About MCP ¹⁵ .
How are the migration issues resolved?	There are no such complex issues at the platform level, but the issues proactively reported by the respective users at their project level during their UAT are resolved to their satisfaction.
How to track the status of migration of tools or projects?	As we are following a 'lift and shift' approach, all SDP relevant projects will be migrated at once.

¹¹ https://gsep.daimler.com/confluence/x/k_QfQ

¹² <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/241/create/1641>

¹³ <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/321>

¹⁴ <https://gsep.daimler.com/confluence/x/IUR-OQ>

¹⁵ <https://gsep.daimler.com/confluence/x/SWb7Lg>

Questions	Answers
Will there be any changes to user/supplier permissions on projects? Should we raise the Zula request again after the migration?	On the day of production migration, all existing user accesses/permissions on GSEP will automatically be granted on SDP. There is no need to raise a Zula request for the existing permissions.
What happens to the GSEP project space after the project is migrated to the SDP? Will it become read-only?	Yes, the project space on the GSEP will be set to read-only until the GSEP is sundowned, this means no write access is possible.
What is the UAT link?	Please read the UAT Runbook: https://gsep.daimler.com/confluence/x/k_QfQ
What is the last day for the UAT to sign off a project?	The cut-off is 23-June-2023, but please do not wait until the last date. The sooner you test/validate, the sooner we can fix your project-specific issues/bugs if you find any.
How secure is the AWS cloud against information theft/hacking?	Security is of supreme importance to our customers and us, and we assure you that we are taking all necessary measures in accordance with Mercedes-Benz Information Security Protocols to ensure the security and confidentiality of your data according to platform classification.
Where to report issues/bugs during UAT?	Your UAT bugs/issues need to be reported here: https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/321
Is data encryption performed when all existing/new data is dumped to AWS services?	The SDP team works diligently to ensure that all your data is transferred securely to the SDP environment. ‘Your data will be encrypted with robust security features during migration.’
When can I start testing the new platform for my project?	UAT is already underway since  03 Apr 2023. Please kick-start your UAT without further delay, here is the UAT Runbook ¹⁶ for your ready reference
How is the testing/UAT done with supplier users, who access the GSEP tools (such as; Jira & Confluence) with their supplier portal login credentials?	Supplier users must use their 'Supplier Portal credentials' to perform their testing/UAT on the SDP Test Environment for Jira/Confluence applications.
What credentials do I need to use to login to SDP Test applications?	<ul style="list-style-type: none"> Collaboration applications must be logged-in using PingID. CICD Applications can be accessed using your GSEP credentials as the SDP Test environment is updated with the current GSEP Prod Crowd credentials.

¹⁶ https://gsep.daimler.com/confluence/x/k_QfQ

Questions	Answers
What should I do if my GSEP credentials are not working in the SDP Test environment? (I have forgotten my password / password has recently expired)	You can use this link to reset your SDP Test Environment credentials. ' Forgot Password ' ¹⁷
Can our supplier users participate in this UAT to test our business scenarios?	Yes of course, every users who's part of SDP-focused projects can participate in this UAT.
Do we need a client certificate to access SDP Test Environment?	<ul style="list-style-type: none"> Client certificate is not required to access the applications from the Mercedes-Benz Network (Intranet). Client certificate is must to access the applications from Internet.
Supplier users are accessing the applications via Internet, will they receive a SDP client certificate?	Yes, we will distribute a personal client certificate to all the subscribed ¹⁸ users.
With MB moving to GCP in the future, will SDP be migrated from AWS to GCP soon?	As communicated during the SDP Townhalls and according to the RD S/W Development Strategy, a consolidated platform for R&D software development will be decided on/after 2027.
When can I expect a response to my UAT subscription?	The UAT subscription is to let the management and organizing team know about your participation, which helps us to actively communicate the about the UAT actions. However, if you encounter any issues/bugs during your UAT, please report them here at the SDP UAT Portal ¹⁹ so that the available technical expert can address them as early as possible.
When and where will the new target platform URLs be released?	Please read the UAT Runbook: https://gsep.daimler.com/confluence/x/k_QfQ
Will the SDP finally clean-up the client certificate to make life easier for developers?	Currently only a few of our applications supports PingID/MFA, thereby to comply with the security measures, we must use the client certificates at the moment. Meanwhile, our technical experts have already raised a feature request with the application providers to provision MFA/PingID features. We will keep you updated in the coming days.

¹⁷ <https://sdp-test.i.mercedes-benz.com/crowd/console/login.action#/forgot-password>

¹⁸ <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/321/create/1981>

¹⁹ <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/321>

Questions	Answers
If I have to create new project in confluence should I do it in GSEP and then request migration?	Project creation is available here ²⁰ , if there is a need for project immediately then you can use this link . It would be great if you can wait till the PROD migration and you can create the Project in the new SDP environment. *
When will the new GSEP projects be migrated to the SDP?	We will communicate the date of next 'data refresh' from GSEP Prod to SDP Test environment shortly.
Do we have a freeze period (no changes) for a successful migration?	Yes, we will communicate the change freeze window well in advance.
Why a big bang 'lift and shift' approach?	Lift-and-Shift migration eliminates the complexities of reorganizing/restructuring data and therefore works the best for businesses with the need to complete the migration within a short time.
Will it be possible to have not just one PKI certificate per user, but one per user per machine?	It is restricted only with user-based personal client certificates, to avoid anonymous authorizations.
Do we have any plans to setup a mirror within mainland China?	Not at the moment. we can extend our mirrors to China based on load/data transfer size/on demand i.e. after SDP go live.
Where can I find information about which projects will be migrated from GSEP to SDP?	Login GSEP Helpdesk Portal ²¹ → Information → you can find the project's target platform by searching with 'Project Key / Approver'.
Does the GSEP Hotline number still work for SDP related issues / is there a separate number for SDP?	The GSEP Hotline is dedicated to serve only GSEP related incidents. We will communicate about the SDP Hotline in the future.
What is the level of stability in the UAT environment to move, to production?	The SDP UAT environment is significantly better stability than the GSEP. You can experience it while taking your UAT.
GSEP CSA Automation tool, how will it work in SDP?	Since the migration is lift and shift, there is no change in CSA.

²⁰ <https://gsep.app.corpintra.net/helpdesk/faces/portlets/index.xhtml>

²¹ <https://gsep.app.corpintra.net/helpdesk/faces/portlets/index.xhtml>

4.2 Collaboration Applications: 'Jira & Confluence'

Topics	Questions	Answers
Confluence	Will you also migrate my confluence personal space? Do I have to take any action?	The Personal spaces will also be migrated to SDP. Since the approach taken by SDP is a 'Lift & Shift' – All your data from GSEP will be migrated to SDP. We recommend the Users to Test in the UAT so that any missing spaces can be moved from GSEP to SDP.
Confluence	Will the personal spaces be migrated along with the projects?	Personal spaces will be available for every user and only the user alone will have the access to those spaces.
Confluence	Do the update limitation sizes change from GSEP with the migration towards MCP/SDP? As there are certain file size limitations for Confluence in GSEP right now.	By default currently the size of attachments in Confluence is fixed to 100MB and this value will not be changed and will be carried across to SDP.
Confluence	Can I share the wikis in my personal space with my colleagues?	<p>Yes , you can share wikis in your personal space , but its recommended that you don't share the personal spaces with other users as personal spaces will be locked out once the customer becomes inactive . *</p> <p>Please share the content with your colleagues on your official space rather than doing it in personal spaces.</p>
Confluence	Will the old Confluence documentation, which was linked to other platforms e.g. Jira, be saved for future reference?	We are currently building up the integration with SWF env. We are also currently testing the soft links automatic update.
Jira	Will the custom Webhooks be edited by the user or the SDP team?	<ol style="list-style-type: none"> 1) The Custom Webhooks which are used in Scriptrunner will be configured by the SDP Team. 2) The Webhooks created by the Users for Jira Automation should be configured by the User with the support of SDP Team.

Topics	Questions	Answers
Jira	<p>Will there be a possibility to create custom Workflows?</p>	<p>In SDP environment , the number of projects will be reduced and hence a lot of workflows will be cleaned up . So in SDP we would expect that if the customer needs a new workflow they can get in touch with us and we can help the user to define the workflow within the governed walls of SDP we will check the workflows and have a call with you to provide you with alternative solutions as below .</p> <ul style="list-style-type: none"> • You could try to use components to model your approvals. Often it is possible to use a combination of workflow status and some other field to have a more detailed process. • E.g. Business Approval modeled by Status = Approved and component = Business. • "Ready for Implementation" VS "In Implementation" modeled by Status = In Implementation and assignee is empty VS Status = In Implementation and assignee is not empty . <p>If the solutions provided don't match your requirements , We can create a new workflow a valuable and appropriate business justification.</p>
Jira	<p>Whom you can contact when there is a need in JIRA with custom workflows?</p>	<p>Please write a mail to dw_623_MBRDI-Proj-SDP-ColTools@mercedes-benz.com²² .</p>
Jira	<p>Will all the existing custom fields be migrated to Jira in SDP?</p>	<p>Yes , since we are performing the Big bang approach all your custom fields will be moved from GSEP to SDP and we can ensure you that all your data will be moved.</p>
Jira	<p>If Jira tickets are linked via hyperlink in any other documentation, will these links be lost/broken after migration?</p>	<p>If your issue is in GSEP and there is a link to SWF , the Links should get updated automatically . In SDP we don't have any Plans for Integration with DOT or MCP , so these links will be broken.</p>
Jira	<p>Will the X-ray test repository and test sets all be migrated to SDP as it is today in GSEP JIRA?</p>	<p>Yes , all the X-ray test repository and test sets all be migrated to SDP sue to the big bang Approach.</p>

²² mailto:dw_623_MBRDI-Proj-SDP-ColTools@mercedes-benz.com

Topics	Questions	Answers
Jira	Will Jira issues keep their ID?*	Yes the Jira issues will have the same ID , as we will be doing a big bang Approach.
Jira	Do we have version Management in SDP for X-RAY for Test Cases & base lining?*	current Jira XRAY version does support Version management . For more info refer here ²³
Jira/Confluence	Will JIRA/Confluence API access continue to utilize basic authentication (user/pw) or change to certificate based?	Yes, the JIRA/Confluence API access continue to utilize basic authentication (user/password).
Jira/Confluence	Will links to GSEP Jira tickets or Confluence pages be automatically redirected to their corresponding space on the new platform? So that existing links in external documentation will still work.*	When the JIRA issues are migrated, their corresponding URLs will be updated to new URLs but if they are hard coded in any external documentation the Links will have to be updated by the user end .
Jira/Confluence	Is there any statistics on how many requests will still go to GSEP Jira issues and Confluence pages because of links from external sources (Daimler Github, Azure DevOps)?*	No Statics can be captured for the project specific but there should be integrations
Integration	Will SDP continue the integration with tools like EElite, Dante, Doors, STARC and MBSE?	Only STARC and MBSE integration will be continued.
Jira/Confluence	Will the SDP migration impact MBSE platform or their internal tools?	We ahve an integration with OSLC Plugin which will be the observable impact on MBSE platform .
Plugin	Will the EasyBI plugin be available in SDP?	Yes, the plugin will be available in SDP. All the reports will be intact in SDP. Nevertheless , we recommend the Users to check the EasyBI connection in UAT to make sure any broken links are fixed.
Plugin	Is Gliffy integrated in SDP?	Currently the Gliffy Plugin is available in GSEP, but we are planning to sundown the gliffy in SDP. If you would like to test it out and then please raise a ticket here ²⁴ and we will help you out. *

²³ <https://docs.getxray.app/display/XRAY/Test+Versioning>²⁴ <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/81>

Topics	Questions	Answers
Plugin	Will the Gliffy change history/revisions migrated to draw.io? ²⁵	Once the Gliffy images has been moved to Draw.io ²⁶ , the images will lose the Version history and new history will be created which will be blank .
Plugin	Will all the Gliffy Diagrams be converted to Draw.io²⁷ automatically in SDP?	Yes. We will be importing all the diagrams from Gliffy to Draw.io ²⁸ in SDP and this will be done automatically and will be taken care by the SDP team . *
Jira/Confluence	Will there be a central overview, where the previous Jira/Confluence link (not working anymore) should be leading to AWS cloud?	We are working on a script that can tell you how the links are connected between different Jira tickets . We are also working on confluence updates to be done automatically for the
Jira	Will CSA (Customer Service Automation) still work with SDP on AWS?*	We are planning to get CSA in SDP and we are currently in development for the same.
Jira/Confluence	What kind of manual efforts are expected before the migration from users?	As an user we are expecting your participation in the UAT so that your can check if your data has been migrated . Apart from this we also expect the user to check for any custom scripts/API / links that are created by their team and update them during the migration
Jira/Confluence	How and when will the data on the SDP Test environment finally be updated based on the changes that happen on GSEP PROD?	We are planning to update the data on the SDP environment soon , We are hoping to do this by the EOM .
Jira/Confluence	Can we get a demo video how to do effective UAT testing for each application like Jira, Confluence?	We are working on this and the vedio will be available soon.
Jira/Confluence	How will I know that the GSEP content has been migrated successfully? How do I find the path to my projects in SDP?	We have Checklist Pages ²⁹ that will help you in navigating through the basic checks that can be performed . These checklist are available right now for UAT and will also be present for SDP-PROD .

²⁵ <http://draw.io>²⁶ <http://Draw.io>²⁷ <http://Draw.io>²⁸ <http://Draw.io>²⁹ <https://gsep.daimler.com/confluence/display/SDPUAT/Checklist+for+Users+for+JIRA>

Topics	Questions	Answers
Jira/Confluence	Is there a possibility to migrate from MCP to SDP after Big Bang? (Jira, Confluence)*	Unfortunately we don't have the possibility right now , as MCP is on 'Atlassian Cloud' and SDP is on 'Atlassian Data Center' , So the migration from MCP to SDP will be very complicated due to the difference in the instance.
Jira/Confluence	Will MCP and SDP be linked? Will I be able to create an overview of all my tasks on various platforms on a central place?	Unfortunately currently we don't have a requirement to connect MCP and SDP.

4.3 CICD Applications: 'Bitbucket, Bamboo, Crucible, Artifactory, SonarQube, Jenkins & TeamForge(SVN)'

Topics	Questions	Answers
Artifactory	How the usage of JFrog Artifactory is affected? Is there any interface change?	Artifactory usage is same as current GSEP , in addition following features are added . <ul style="list-style-type: none"> Introducing projects (project admin can mange repositories , x-ray scan,etc) https://jfrog.com/help/r/jfrog-platform-administration-documentation/introduction-to-projects Improved speed on artifacts download/upload (DHC 10Gbit/s)
Bitbucket	Do we need new certificates if we want to access Bitbucket from local Git?	Yes , New SDP certificates will be distributed during SDP live however <ul style="list-style-type: none"> We have split DNS, Certificate is not required when user in Mercedes network Certificate use for Bitbucket is mainly needed for suppliers and user who is working remotely in internet without VPN connection .
CI CD Tools	Will my complete CICD data be available to perform the UAT? Will I have all relevant access to the SDP test environment?	There will be absolutely no data loss with respect to your access, even the integrations will be in place within the UAT as well as the PROD Environment.

To pi cs	Questions	Answers
CI C D To ol s	Before CICD URL changes, are there any changes we should test for? How do you capture the epic/ticket or validate in terms having an option, DevOps Person to take point on that.	From our side we are updating application linking between collaboration and CICD tools hence there should not be an impact however your DevOps team should validate changes now on our UAT platform https://sdp-test.i.mercedes-benz.com ³⁰ and ask us incase of any issues
Jen k in s	Can we have our own dedicated Jenkins-Master?	Yes, you can have your own dedicated Jenkins Master
Jen k in s	Can we have our own dedicated Jenkins-Build Node in the MB-Network (as it currently is)?	If you are referring to Jenkins-Build Node as your Build Slave, then yes! It will also exist "as-is" in SDP.
Jen k in s	Is UAT necessary for Jenkins Managed Master?	Yes. Even for Jenkins Manage masters the UAT is necessary esp to check the integrations with other applications
Jen k in s	Will all the Jenkins Managed Masters continue to be supported and maintained by SDP?	Yes. The projects focused to come to SDP platform will continue to be supported as is
Jen k in s	Can we add local Jenkins execution node to SDP Jenkins server?	Yes , By default there is no special F/W request needed when your laptop is in Mercedes-Benz and your local machine can be connected to SDP Jenkins master
CI C D To ol s	Will the pipeline work as-is, or what are the URL changes you need to make?	SDP team will make the URL changes on the tools at the global level, so the integrations will work “as-is”. From the customer end, they must change the URL hard-coded in their source code SCM (Bitbucket, SVN, etc.). They should also change the agent side configuration with the new URL in Jenkins and Bamboo build servers.
CI C D To ol s	Will there be a simple integration with applications that are most relevant for pipelines/technical usage, such as SonarQube and BlackDuck Hub?	Yes, all the tools are already integrated in SDP TEST platform and users will be able to test their complete DevOps tool chain.

³⁰ <https://sdp-test.i.mercedes-benz.com/>

Topics	Questions	Answers
CI C D To ol s	Will there be a central overview, where the previous link CICD application links (not working anymore) should be leading to AWS cloud?	The GSEP CICD application links will be terminated and the new SDP links will be provided to all.
CI C D To ol s	What kind of manual efforts are expected before the migration from users?	Please refer the link UAT Checklist for CICD Users ³¹ for the customer scope
CI C D To ol s	How and when will the data on the SDP Test environment finally be updated based on the changes that happen on GSEP PROD?	There will be Data sync planned every month to have sync between GSEP prod and SDP Test
CI C D To ol s	Can we get a demo video how to do effective UAT testing for each application like Jenkins, Artifactory, etc.?	
CI C D To ol s	How will I know that the GSEP content has been migrated successfully? How do I find the path to my projects in SDP?	The migration is the Lift and Shift approach. So, SDP-Test will have the exact same data/project path as it is in GSEP.

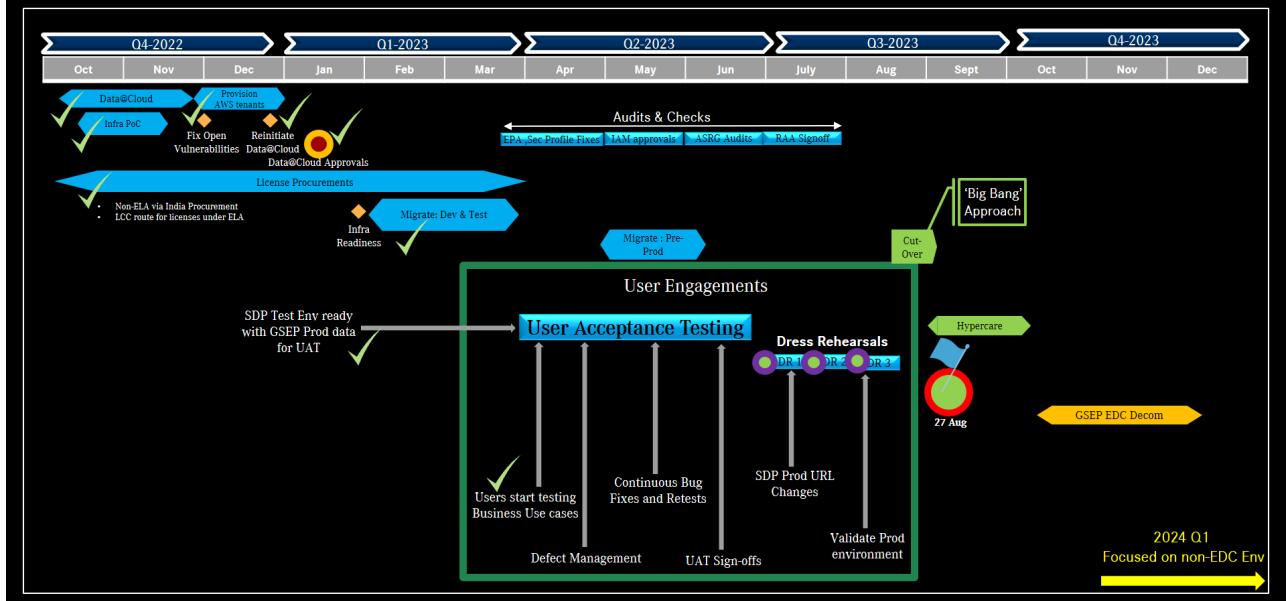
❖ **What if I have further questions about SDP?**

Please ask here → <https://gsep.daimler.com/servicedesk/servicedesk/customer/portal/241/create/1641>

³¹ <https://gsep-int.daimler.com/confluence/display/SDPUAT/UAT+Checklist+for+CICD+Users>

5 Migration Journey & Change Management Plan

Program High Level Plan



6 SDP logo

Change is inevitable, and the disruption it causes often brings both inconvenience and opportunity. SDP has given us the opportunity to present you our logo, with which you can identify with what we are, what we do and what we value. Now, that is a lot of responsibility in one tiny picture!



SDP stands for Software Development Platform. A platform that offers most of the widely recognized tools for end-to-end automotive software development.

Although a bit abstract, we wanted our logo to directly represent our business and our work. Dev-Ops is the heart of the SDP. Universally, Dev-Ops is represented with the infinity “∞” symbol. This symbol is abstracted and adapted in the SDP logo as well using geometric shapes with lines and angles to symbolize structure and order, which are core values of our team, and to help the eye find a way through the design. The sharp-edged shapes also helped us create a symmetry in design.

Now let us look at the logo in three parts; the left, right and middle parts that are clearly separated by white spaces. The left part of the logo represents the left side of the Dev-Ops symbol, the right part represents the right side of the Dev-Ops symbol, and the middle part, which is “<”, represents the shift left feature of Dev-Ops. The term "shift left" refers to a DevOps team's efforts to ensure application security at the earliest stages of the development lifecycle, as part of an organizational pattern known as DevSecOps (collaboration between development, security and operations).

A logo is not always about business, but also about cultural and emotional aspects. We wanted this logo to express exactly our emotions and the output is a digital rendition of all our emotions mixed together.

We wish you a warm welcome to your new home, welcome to SDP!

Team SDP

7 Announcements

1. User Acceptance Test³²
2. Newsletter - Volume 1.0³³
3. Data Refresh on SDP Test Environment³⁴

7.1 User Acceptance Test

User Acceptance Test - Reminder



'SDP UAT in TEST Environment' is underway since 03rd April'2023.

[Click here for UAT Subscription](#), if you have not already done so.

We hope that your testing is in-progress smoothly and we believe that the [UAT Runbook](#) will help you to start your testing application wise.

Please [report your findings/bugs](#) as early as possible, which will help us to address them before we go-live on production and [mark your Sign-off](#) once your business scenario tests are completed.

We appreciate your participation and cooperation.



Objectives of UAT

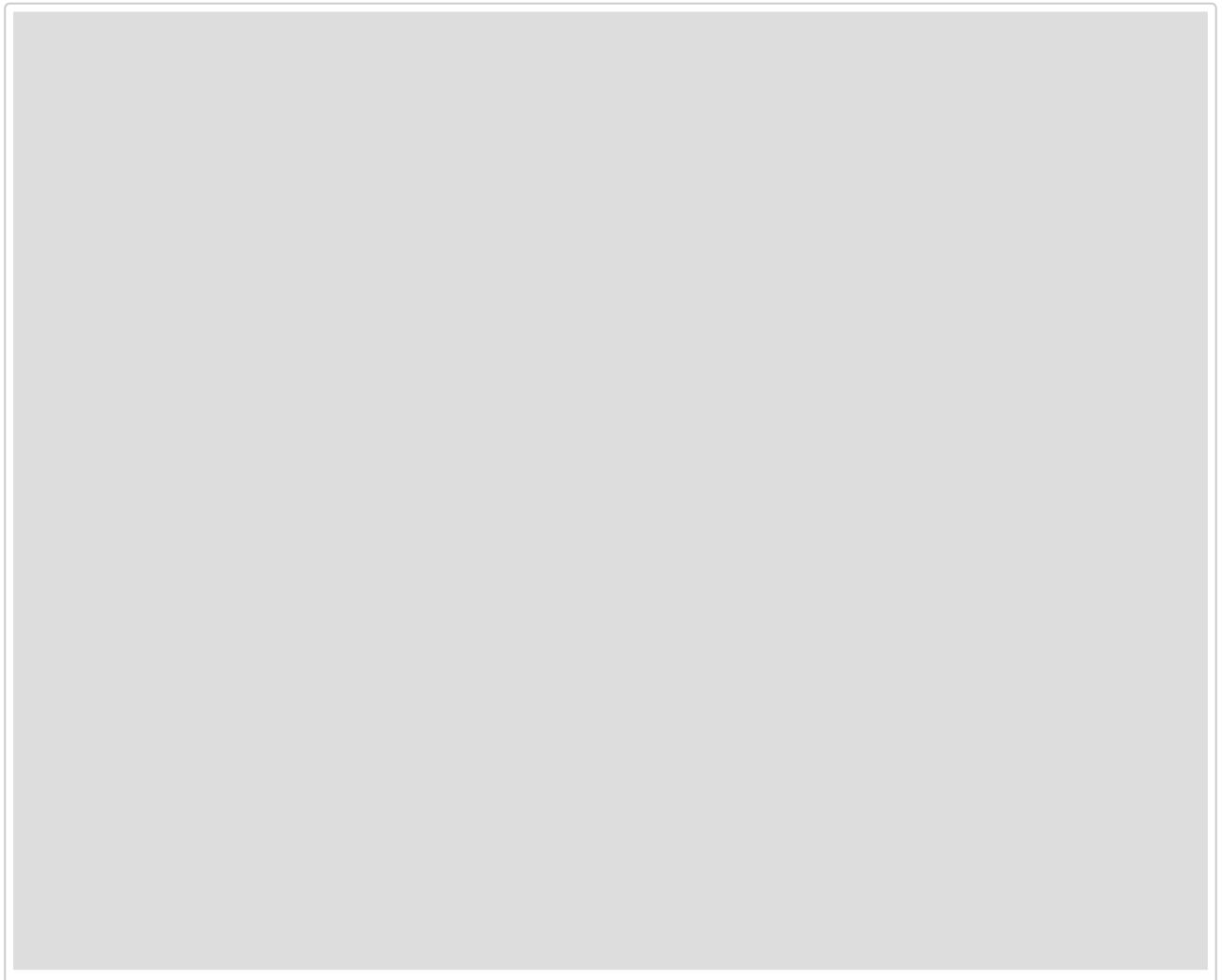
- To confirm that the system/product performs business functions as intended per business requirement.
- To Certify that the system/product is ready to be moved into production phase.
- To confirm that the system/product is usable from an end user perspective.
- To confirm that the system/product is complaint with regulatory and/or legal requirements.

* Few FAQs by Users, to kick-start UAT *	
Questions	Answers
What credentials do I need to use to login to SDP TEST applications?	<ul style="list-style-type: none"> ✓ Collaboration applications must be logged-in using PingID. ✓ CI/CD Applications can be accessed using your GSEP credentials as the SDP TEST environment is updated with the current GSEP Prod Crowd credentials.
What should I do if my GSEP credentials are not working in the SDP Test environment? (I have forgotten my password / password has recently expired)	<ul style="list-style-type: none"> ✓ You can use this link to reset your SDP TEST Environment credentials. Forgot Password
Can our supplier users participate in this UAT to test our business scenarios?	<ul style="list-style-type: none"> ✓ Yes of course, every users who's part of SDP-focused projects can participate in this UAT.
Do we need a client certificate to access SDP TEST Environment?	<ul style="list-style-type: none"> ✓ Client certificate is not required to access the applications from the Mercedes-Benz Network (Intranet). ✓ Client certificate is must to access the applications from Internet.
Supplier users are accessing the applications via Internet, will they receive a SDP client certificate?	<ul style="list-style-type: none"> ✓ Yes, we will distribute a personal client certificate to all the subscribed users.

32 <https://gsep.daimler.com/confluence/display/GSEPUKB/User+Acceptance+Test?src=contextnavpagetreemode>

33 <https://gsep.daimler.com/confluence/display/GSEPUKB/Newsletter+-+Volume+1.0?src=contextnavpagetreemode>

34 <https://gsep.daimler.com/confluence/display/GSEPUKB/Data+Refresh+on+SDP+Test+Environment?src=contextnavpagetreemode>



7.2 Newsletter - Volume 1.0



+++ Siehe unten für die deutsche Version+++

<h1 style="margin: 0;">SDP Newsletter</h1> <p style="text-align: center; margin: 0;">Volume 1.0</p>	
<p>We are thrilled and excited to update you on the progress of ongoing SDP migrations. As you are already aware, the method of migration is 'Lift & Shift' to ensure minimum downtime to our customers during the final Production cutovers.</p> <p>We have already completed the migration from GSEP to SDP's Test environment hosted on AWS. The environment is now available for User Acceptance Tests to our business users until end of June'2023.</p> <p>This transition has been a major undertaking, and we are making a steady progress with your consistent support 😊</p>	
 <p>What SDP Offers to our Users:</p> <p>SDP will offer exactly the similar tools and services as GSEP. However, other aspects such as performance, durability, flexibility, customer support and technology will not remain the same. They will only improve significantly. So! it's a new home, a new beginning, a new address... but everything will be business as usual !</p> <p>Moving to the cloud has not only allowed us to modernize our technology stack, but has also given us greater flexibility and scalability to meet the changing needs of our business. As part of this migration, we are using a range of cloud services to support our operations, including cloud storage, computing and networking.</p> <p>As a result, users can expect improved performance, greater reliability and faster response times. In addition, the SDP infrastructure will enable us to better scale our services to meet the growing needs of our customers.</p>	
<p>How Secure is my Data on SDP:</p> <p>Security is of supreme importance to our customers and us, and we assure you that we are taking all necessary measures in accordance with Mercedes-Benz Information Security Protocols to ensure the security and confidentiality of your data according to platform classification. The SDP team works diligently to ensure that all your data is transferred securely to the SDP environment with minimal disruption to your business.</p> <p><i>'Your data will be encrypted with robust security features during migration.'</i></p>	
<p>User Acceptance Test (UAT):</p> <p>'UAT in Test Environment' is underway since 03rd April'2023, 400+ business units with 950 developers/users have already subscribed and are participating in UAT. This ensure that critical business scenarios are thoroughly tested by users prior to SDP production migrations.</p> <p>We have created a Runbook for Collaboration & CICD applications which provides guidance to users on preliminary test scenarios, but is not restricted/limited to these use cases.</p> <p>In addition to the listed test use cases, we encourage you to fully test your critical business specific scenarios, and let us know if you would like to add your business use cases as part of our test suites.</p>	
<p>* Key Notes from Product Owners *</p>	
<p>Recommendations for CICD Users -</p> <ul style="list-style-type: none"> ❖ Connect your Jenkins slave to the SDP TEST Jenkins application. ❖ Connect your Bamboo remote agent to the SDP TEST Bamboo application. ❖ Update the hardcoded URLs in your source code at SDP TEST Bitbucket & SVN applications. ❖ Refer to the Runbook for more information on user scope URL replacement. ❖ Ensure that your CI pipelines work as expected in the SDP TEST environment. <p>UAT Runbook for CICD Users</p>	<p>Update on Collaboration Applications -</p> <ul style="list-style-type: none"> ❖ External integrations such as STARC and OSLC are in progress. We will communicate when the integration is ready for UAT testing. ❖ Many projects have inward and outward links, thereby we are working on a solution to identify these links. ❖ All the soft links will change automatically, but the hard links that are coded in the JIRA fields and Confluence pages need to be changed manually, thus we are working on an automated solution to make this change as well. <p>UAT Runbook for Collaboration Users</p>
Social Intranet Migration to SDP FAQs	

+++ See above for English version +++

<h1 style="margin: 0;">SDP Newsletter</h1> <p style="text-align: center; margin: 0;">Volume 1.0</p>	
<p>Wir freuen uns sehr, Sie über den Fortschritt der laufenden SDP-Migrationen zu informieren. Wie Sie bereits wissen, erfolgt die Migration nach der "Lift & Shift" -Methode, um die Ausfallzeiten für unsere Kunden während der letzten Produktionsumstellungen zu minimieren.</p> <p>Wir haben die Migration von GSEP zur AWS gehosteten Testumgebung von SDP bereits abgeschlossen. Die Umgebung steht nun bis Ende Juni für User Acceptance Tests für unsere Geschäftsanwender zur Verfügung.</p> <p>Diese Umstellung war ein großes Unterfangen, und wir machen mit Ihrer konsequenten Unterstützung steife Fortschritt 😊</p>	
 <p>Was bietet SDP unseren Nutzern:</p> <p>SDP wird genau die gleichen Tools und Dienstleistungen wie GSEP anbieten. Andere Aspekte wie Leistung, Haltbarkeit, Flexibilität, Kundenservice und Technologie werden jedoch nicht gleich bleiben. Sie werden sich nur deutlich verbessern. Also! Es ist ein</p>	

7.3 Data Refresh on SDP Test Environment

+++ Siehe unten für die deutsche Fassung +++

DATA REFRESH ON SDP TEST ENVIRONMENT

Migration from GSEP to SDP (AWS Cloud)


19-21
May

SDP Test environment is now ready for the latest data from **GSEP Production.**

This copy will provide users with their latest data, but will overwrite all existing content on **SDP Test Applications**. The data will be refreshed from the GSEP production instance as of '**May 19-21, 2023**'.

As a result, all your test plays executed so far will be overwritten, hence your business specific scenarios (URLs/Builds/Pipelines) needs to be recreated to resume your UAT on '**May 22, 2023**'.

USER ACCEPTANCE TEST - REMINDER

Objectives of UAT

'SDP UAT in TEST Environment' is underway since 03rd April'2023.

[Click here for UAT Subscription](#) 🎉, if you have not already done so.

We hope that your testing is in-progress smoothly and we believe that the [UAT Runbook](#) will help you to start your testing application wise.

Please [report your findings/bugs](#) as early as possible, which will help us to address them before we go-live on production and [mark your Sign-off](#) once your business scenario tests are completed.

We appreciate your participation and cooperation.



* FEW FAQS BY USERS, TO KICK-START UAT *

Questions	Answers
What credentials do I need to use to login to SDP TEST applications?	✓ Collaboration applications must be logged-in using PingID. ✓ CI/CD Applications can be accessed using your GSEP credentials as the SDP TEST environment is updated with the current GSEP Prod Crowd credentials.
What should I do if my GSEP credentials are not working in the SDP Test environment? (I have forgotten my password / password has recently expired)	✓ You can use this link to reset your SDP TEST Environment credentials, ' Forgot Password '
Can our supplier users participate in this UAT to test our business scenarios?	✓ Yes of course, every users who's part of SDP-focused projects can participate in this UAT.
Do we need a client certificate to access SDP TEST Environment?	✓ Client certificate is not required to access the applications from the Mercedes-Benz Network (Intranet). ✓ Client certificate is must to access the applications from Internet.
Supplier users are accessing the applications via Internet, will they receive a SDP client certificate?	✓ Yes, we will distribute a personal client certificate to all the subscribed users.
Where can I find information about my project's 'Point of Contacts'?	✓ Login to GSEP Helpdesk Portal → Information → you can find the projects by searching with 'Project Key/Approver'. "this site is accessible only on the Intranet"
Where can I find all the users FAQs?	✓ All FAQs from users have been captured here for your ready reference.

[Social Intranet](#) | [Migration to SDP](#) | [Announcements](#)

+++ See above for English version +++

AKTUALISIERUNG DER SDP-TESTUMGEBUNG MIT NEUEN DATEN

Migration von GSEP zu SDP (AWS Cloud)


19-21
Mai

Aktualisierung der SDP Testumgebung mit **GSEP Produktivdaten.**

'Vom 19. bis 21. Mai 2023' wird die SDP Testumgebung mit den aktuellsten Daten aus der GSEP Produktivumgebung aktualisiert. Dabei werden die bisherigen Daten auf der **SDP Testumgebung überschrieben**.

Bisherige Testläufe und projektspezifische Konfigurationen (URLs/Builds/Pipelines) gehen verloren. Bitte kümmern Sie sich darum dass diese neu angelegt werden, sodass Sie mit Ihren Tests ab dem '**22. Mai 2023**' fortfahren können.

BENUTZERAKZEPTANZTEST - ERINNERUNG

UAT Zielsetzungen