

OW2 Forge Migration

Emmanuel Rias : NovaForge product manager

Agenda

- NovaForge history
- NovaForge architecture and screenshots
- Why migrate to NovaForge ?
- What are the steps of the OW2 forge migration ?
- The data migration
- Summary

NovaForge history

- Five years ago Bull made investment to capitalize on projects service to be able to centralize best practices
- NovaForge is the result and is deployed in production to provide a lot of functionalities to the actual and future BULL projects

NovaForge history

- Since last year NovaForge is full Open Source and is committed on OW2
- A lot of customers have chosen to install NovaForge in their companies and use NovaForge for their projects

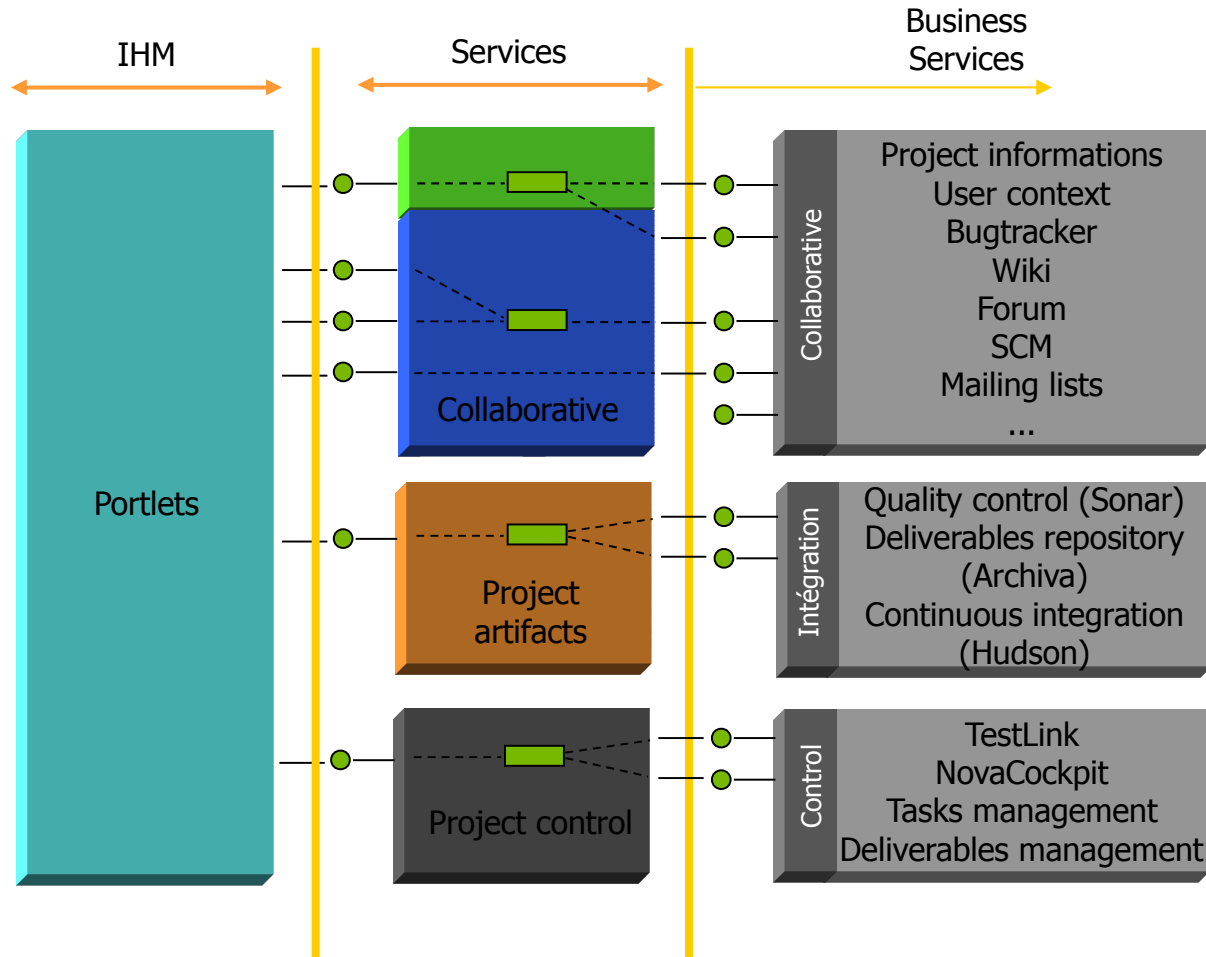
Why migrate to NovaForge ?

- OW2 forge is based on a Gforge core.
- There was no evolutions and no roadmap on Gforge during a lot of years
- It missed some functionalities as continuous integration tools or maven repositories for Java projects.

Why migrate to NovaForge ?

- NovaForge is based on Services platform and allows to add easily new products
- A roadmap is defined and functional evolutions are planned
- NovaForge is an OW2 project

NovaForge architecture



NovaForge screenshots

My Personal Space - Windows Internet Explorer
https://novaforge7.bull.fr/portal/private/webos/ Erreur de certificat Google

Fichier Edition Affichage Favoris Outils ?

Mon Espace My Personal Space

BULL NovaForge™ v.2.7.0 Home My Projects Other Projects Emmanuel Rias Sign out

My Personal Space

- My Page
- My Account
- My Times

Project Management

- New Project

Forge

- Forge Documentation
- Forge Wiki
- Forge Forum
- Forge Mailing-Lists

My Page

Welcome to NovaForge

CRLR

You have no bugs assigned.
You have no actions assigned.

EA XPDL designer

You have no bugs assigned.
You have no actions assigned.

NOVACIC team space

You have no bugs assigned.
You have no actions assigned.

NOVACIC users space

You have no bugs assigned.
You have no actions assigned.

NovaForge Web

You have no bugs assigned.
You have no actions assigned.

Done

Project List:

- CRLR
- EA XPDL designer
- EauxSurface
- Exigences et Tests
- incubMRS
- IndustrialisationXoCMS
- NOVACIC team space
- NOVACIC users space
- NovaForge Web
- NovaForgeProject
- novaref
- Offre AGILE
- PollutionIndustrielle
- SAFRAN

https://novaforge7.bull.fr/portal/private/webos/# Intranet local 100%

NovaForge screenshots

Tasks Admin - Windows Internet Explorer

https://novaforge7.bull.fr/portal/private/NovaForgeProject/#

Erreur de certificat

Google

Fichier Edition Affichage Favoris Outils ?

Mon Espace Tasks Admin

BULL NovaForge™ v.2.7.0 Home My Projects Other Projects NovaForgeProject (NovaForgeProject), Emmanuel Rias, owner Sign out

My Personal Space

- My Page
- My Account
- My Times

My Project

Administration

- Project Admin
- Actions Admin
- Deliveries Admin
- Tasks Admin
- Docs Admin

Control

- Actions Risks Decisions
- Deliveries
- Tasks
- UML Models

Realization

- Third Party Application Management
- Bugs and Requests
- Sources
- Tests and Validation
- Dependencies Management

Collaboration

- Documents Repository
- Documents Validation
- Project Mailing-Lists
- Contacts
- Project Wiki

Forge

- Forge Documentation
- Forge Wiki
- Forge Forum
- Forge Mailing-Lists

Tasks Admin

NovaForgeProject : Task (26)

[Import tasks](#) [Export tasks](#) [Create a task](#) [Delete all tasks](#)

ID	NAME	START DATE	FINISH DATE	WORK	RESOURCE	STATUS
740		11/4/09	1/5/10	2926	UNASSIGNED	opened
741	Maintenance et stabilisation	11/4/09	12/29/09	1134	UNASSIGNED	opened
742	Correction des bugs majeurs, 36 actuellement sur le Mantis	11/4/09	12/29/09	80	UNASSIGNED	opened
743	Mise en place des règles qualités pour NovaForge sur Sonar	11/4/09	11/12/09	7	UNASSIGNED	opened
744	Intégrer les évolutions liées à la sécurité demandées par le CETE	11/4/09	12/1/09	40	UNASSIGNED	opened
745	Adapter James pour le faire pointer sur une base de données	11/4/09	11/17/09	10	UNASSIGNED	opened
746	Adapter l'implémentation subversion pour utiliser une base de données plutôt que des fichiers plats	11/4/09	11/17/09	10	UNASSIGNED	opened
747	Mise en place du site « marketing »	11/4/09	11/24/09	15	UNASSIGNED	opened
837	Fonctionnalités nouvelles :	11/4/09	1/5/10	1792	UNASSIGNED	opened
838	Implémentation d'un workflow pour Qualipso	11/4/09	12/29/09	80	UNASSIGNED	opened
839	Intégrer TestLink	11/4/09	12/8/09	25	UNASSIGNED	opened
840	Process TMA	11/4/09	1/5/10	45	UNASSIGNED	opened
841	Demander à rejoindre un projet	11/4/09	11/12/09	7	UNASSIGNED	opened
842	Associer une ressource à une tâche	11/4/09	11/17/09	10	UNASSIGNED	opened
843	Créer une nouvelle tâche	11/4/09	11/17/09	10	UNASSIGNED	opened
844	CSS sur GWT	11/4/09	11/10/09	5	UNASSIGNED	opened
845	Reverse Proxy + support du SSL	11/4/09	11/17/09	20	UNASSIGNED	opened
846	Test	11/4/09	11/24/09	175	UNASSIGNED	opened
925	Finaliser le plan de test NovaForge	11/4/09	11/24/09	15	UNASSIGNED	opened

Done

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NovaForge screenshots

Documents Repository - Windows Internet Explorer

https://novaforge7.bull.fr/portal/private/NovaForgeProject/#

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Fichier Edition Affichage Favoris Outils ?

Admin Projet Documents Repository

Bull NovaForge™ v.2.7.0 Home My Projects Other Projects NovaForgeProject (NovaForgeProject), Emmanuel Rias, owner Sign out

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Control

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Realization

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Collaboration

- Documents Repository
- Documents Validation
- Project Mailing-Lists
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- Project Wiki

Forge

- Forge Documentation
- Forge Wiki
- Forge Forum
- Forge Mailing-Lists

Documents Repository

Select view: Thumbnails

File explorer

- Root
 - Documents
 - Private
 - Public
 - Demos
 - Guides
 - Novastudio
 - Presentation
 - NF_2010_04032010.ppt
 - NF_2010_Interne.ppt
 - WorkExperiences
 - Documents validation

Name	Date Created	Date Modified	Owner	Versionable	Auditing
NF_2010_04032010.ppt	3/15/10 4:40 PM	3/15/10 4:40 PM	riase	false	false
NF_2010_Interne.ppt	1/19/10 5:45 PM	1/19/10 5:45 PM	riase	true (2)	false

Loading Javascript Module eXo.ecm.UJICRExplorer

Intranet local 100%

NovaForge screenshots

The screenshot displays the NovaForge v.2.8.0-SNAPSHOT web interface. The browser window is titled "Admin Projet - Windows Internet Explorer" and shows the URL "https://129.184.11.45/portal/private/projectp1/#". The page content includes a navigation menu on the left with sections like "Mon Espace", "Mon Projet", "Administration", "Pilotage", "Collaboration", and "Forge". The main content area is titled "Gestion des Services" and shows "Step 1: Add a product". A dropdown menu for "Products*" is open, displaying a list of product instances:

- Bugtracker - Mantis
- ContinuousIntegration - Hudson
- ContinuousIntegration - Sonar
- ContinuousIntegration - Sonar-Central
- Control - Actions
- Control - Delivery
- Forum - PHPBB
- RepositoryManager - Archiva
- SCM - SVN
- TestingTools - Testlink
- TMA - Novaswan
- Wiki - DokuWiki

A "Cancel" button is visible next to the dropdown menu. The system tray at the bottom shows the "Terminé" status and the "Internet" icon.

NovaForge screenshots

Admin Projet - Windows Internet Explorer
https://129.184.11.45/portal/private/projectp1/#

Project P1 (projectp1), NovaForge NovaForge, owner
Se déconnecter

NovaForge™ v.2.8.0-SNAPSHOT

Accueil Mes Projets Autres Projets

Mon Espace

- Ma Page
- Mon Compte
- Mes Temps

Mon Projet

Administration

- Admin Projet
- Admin Tâches
- Admin Docs

Pilotage

- Tâches
- Modèles UML

Collaboration

- Référentiel Documentaire
- Validation Documentaire
- Listes de diffusion
- Carnet d'adresses
- Administration

Forge

- Documentation de la forge
- Wiki de Forge
- Forum de Forge
- Listes de diffusion de Forge
- Plan du Site

Gestion des Services

Step2: Manage roles

Use default mapping

Forge	Product Mantis null
Analyste fonctionnel	updater
Analyste métier	
Architecte SI	
Architecte technique	developer
Chef de projet	
Commanditaire	
Concepteur d'accompagnement	developer
Concepteur de logiciel	
Concepteur de recette	
Directeur de projet	developer
Développeur	
Expert fonctionnel	
Expert logiciel	
Expert méthode	
Expert métier	
Expert outils	administrator

Terminé

Internet 100%

What are the steps of the OW2 forge migration ?

- Identified the main functionalities used by the projects
- Decide what will be migrated
- Communicate with users to validate the data won't be migrated
- Validation of the migration scope choice

What are the steps of the OW2 forge migration ?

- Write the tools to migrate the data between Gforge and NovaForge
- Tests on local servers
- NovaForge installation on the OW2 production server
- Migration on the real environment for pilot projects

Which data will be migrated

- Users, Projects and roles
- Bugs
- Deliverables (Files in Gforge)
- Documents

What are the tools and process

- The tools used to support the migration is Talend
- We write connectors on Talend to extract Gforge data
 - Projects, users, roles extraction
 - Bugs extraction
 - Documents
 - Deliverables
- And we use the web services connector to the import phase in NovaForge.

What are the problems

- Each functionalities manage different informations
- Example : Users, Projects and roles exist on both systems
 - But the associated informations are not exactly the same in both forges

Summary

- On technical aspect we have connectors to extract :
 - Gforge projects, users and roles from database
 - Gforge bugs from Gforge bugtracker
 - Gforge documents from a file system
 - Gforge files from a file system
- We will commit these connectors on NovaForge source code repository

Summary

- The main issues for this migration are :
 - The communication and the change management
 - To plan the migration for all OW2 forge projects is an issue
 - Each project have their own roadmap
 - For the migration it is necessary to stop the OW2 forge and it is not possible to do that for all projects at the same date.
 - A migration by projects groups brings a technical issue
 - The migration date is actually not fixed