



FORGE Project Planning Overview

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FORGE Service Lab

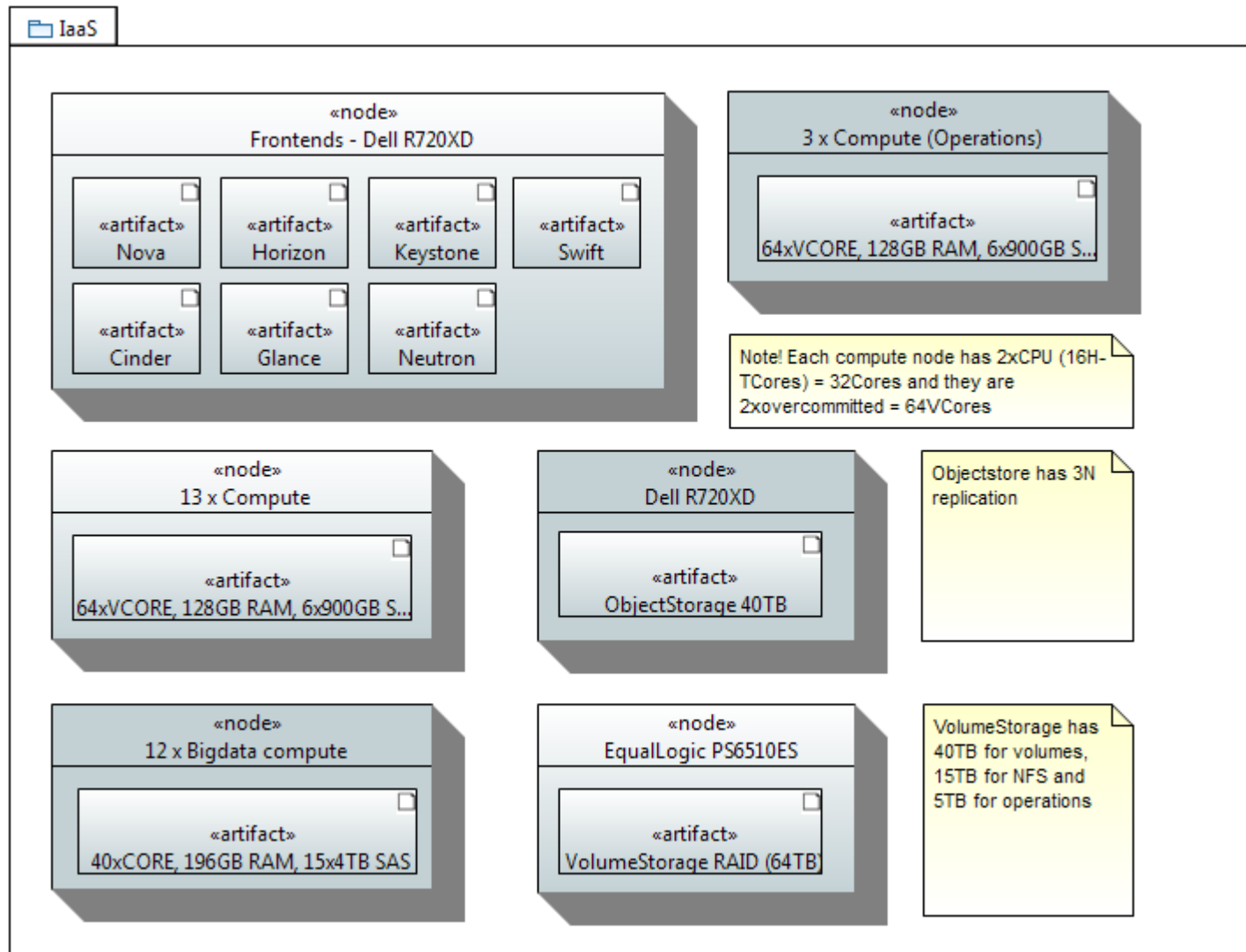


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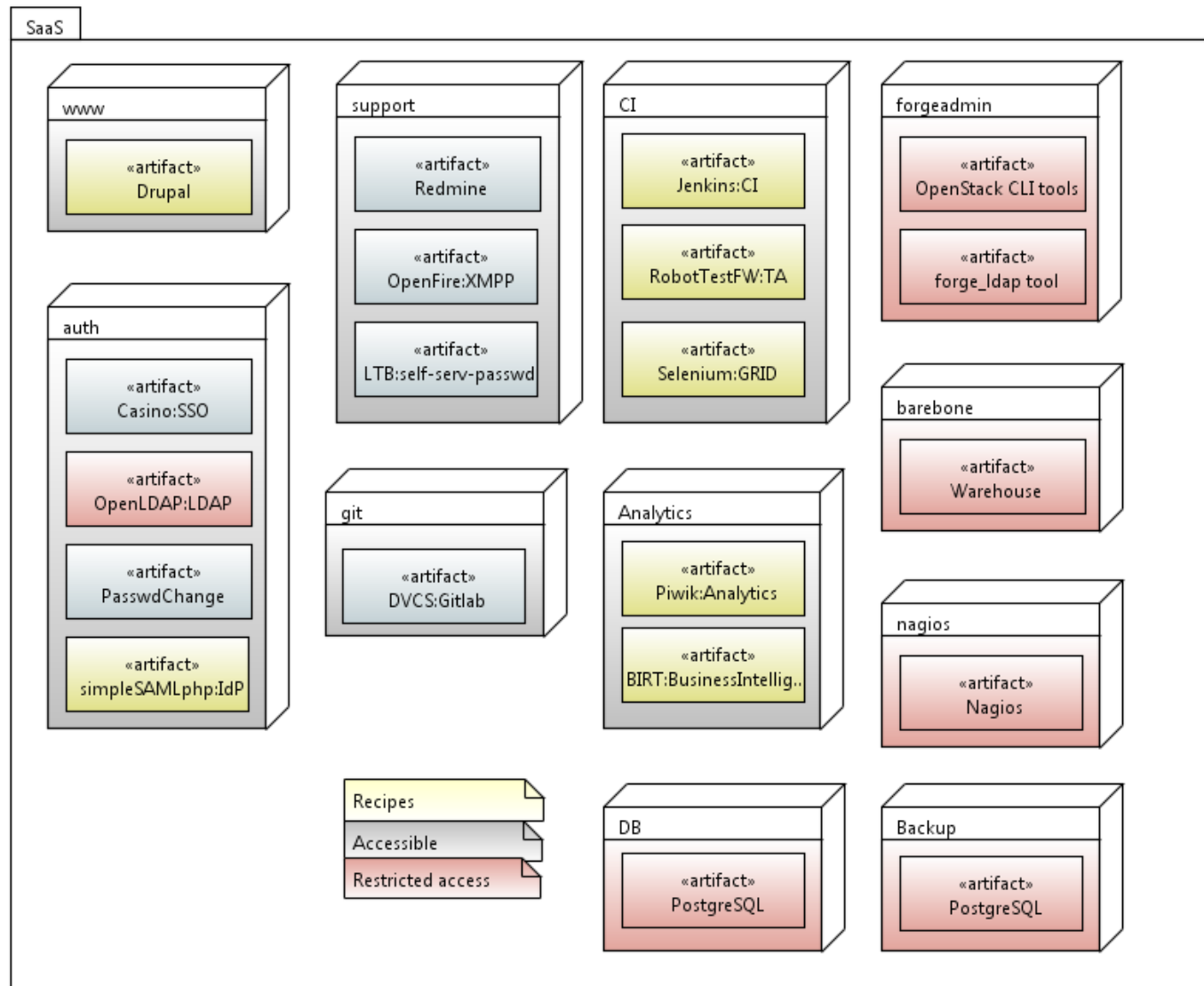
<http://www.digile.fi>

DIGILE

Why project management is needed in FORGE – We operate cloud infra, IaaS

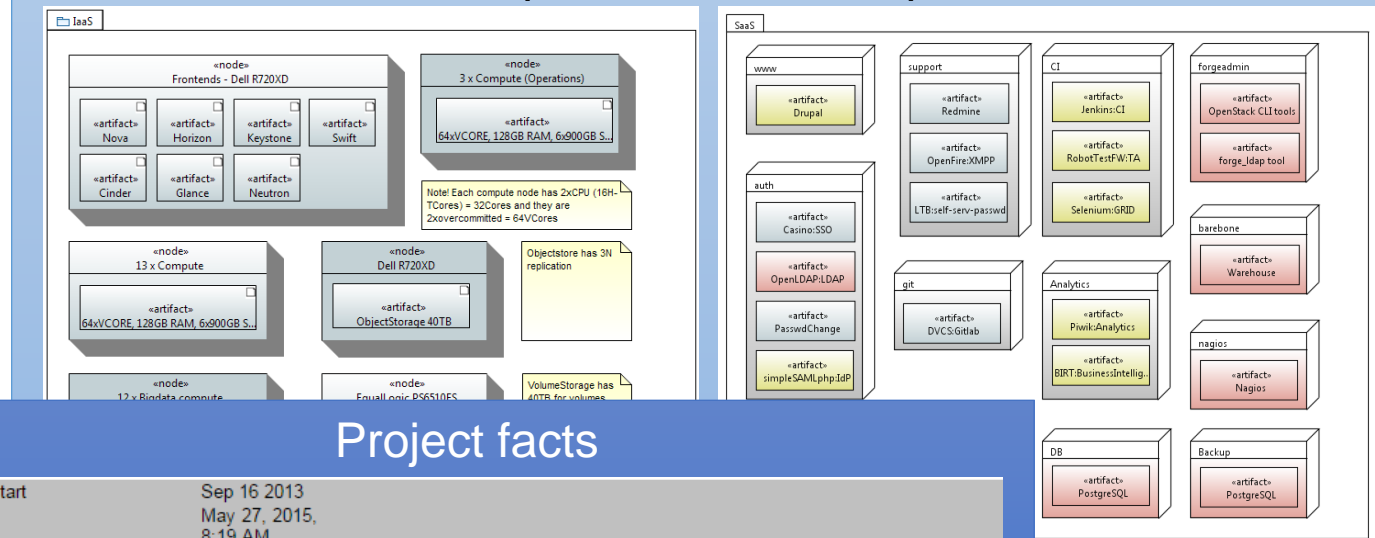


Why project management is needed in FORGE – We develop services, SaaS



Why project management is needed in FORGE

Operate and develop



Project facts

Project start	Sep 16 2013			
Now	May 27, 2015, 8:19 AM			
	Completed	Open	Rejected	
Days passed	618			
Weeks passed	88			
Sprints passed	44	3		Sprints remaining based on the story velocity
Stories completed	476	156	84	
Stories completed in one sprint	10			
Issues completed	2906	534	302	
Issues completed in one sprint	66			
Sprints passed	44	12		Sprints remaining based on the all issues velocity

Issue status

issue_status	issues2	story_points4	estimated_hours4
Closed	2906	2206	6716.5
In Progress	27	16	82
New	250	161	251.5
Rejected	302	165	727.5
Reopened	24	16	15
Resolved	216	84	276
Reviewed	17	45	101
Grand Total	3742	2693	8169.5

FORGE project management terminology

- Definitions

- **Project** consists of a temporary endeavor undertaken to create a unique product
- It has an **input** and **engine** that then turns input to an **outcome**

- Scrum

- Scrum is an **agile** method to manage projects
- Content is represented as **User stories**. User stories are input to the projects to be implemented and completed
- Content is stored and ordered in the **Backlogs**
- **Storypoints** indicate the relative size of the user story compared to other stories
- **Sprint** is two week period where one project implements selected user stories from the backlog

- Scrum roles

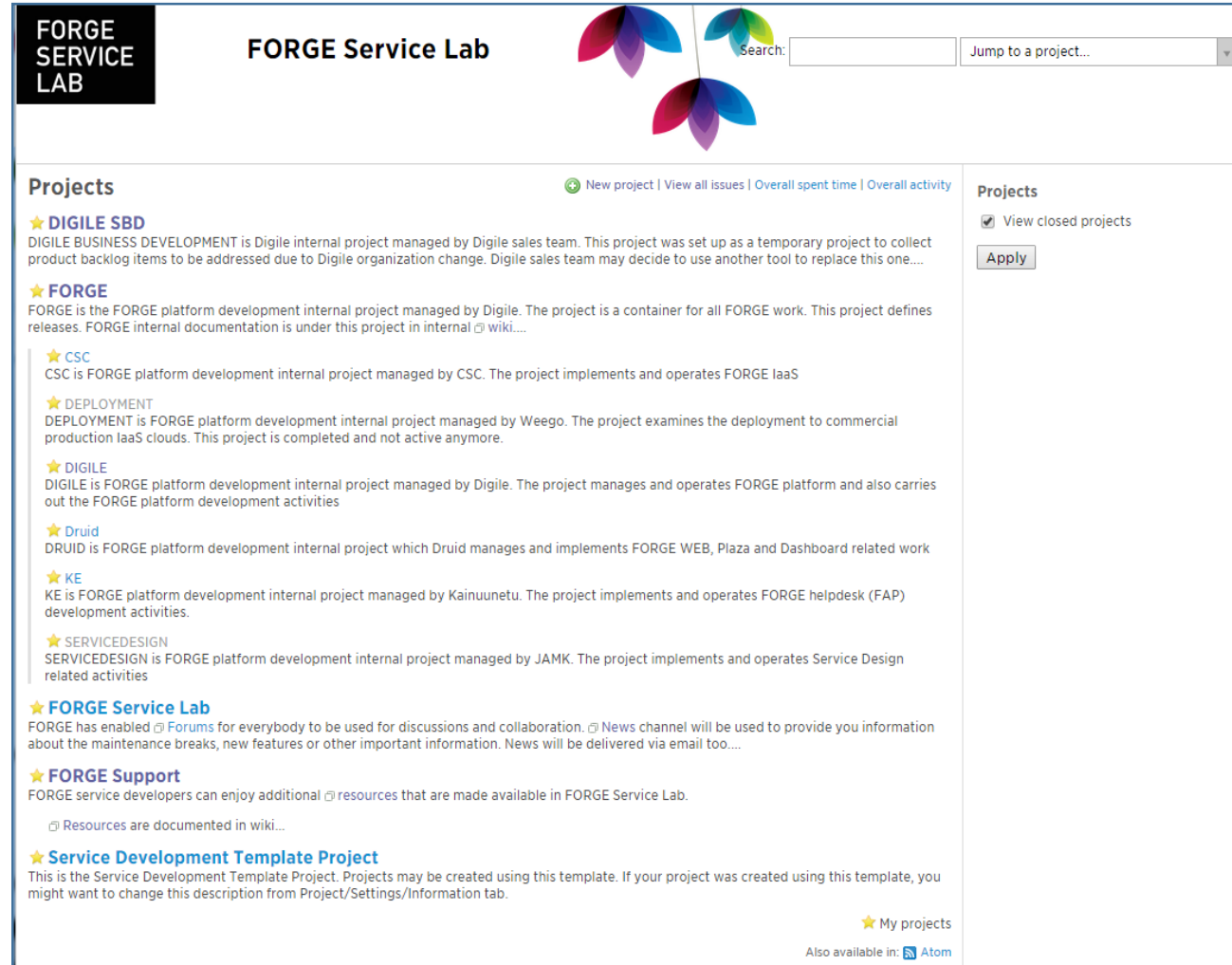
- **Product owner** ensures the quality of user stories in backlogs
- **Project (team)** implements user stories of it's sprint backlog
- **Scrum master** facilitates the scrum process

- FORGE

- FORGE uses **scrum** methodology with incremental and multi-project flavor
- In FORGE the **release backlog** contains common targets and content for all projects for two month period
- Maximum ROI with minimum effort

FORGE project portfolio

- **DIGILE SBD** is SBD team's own project managed by them
- **FORGE** top level project contains common targets for all projects
 - **CSC** project implements IaaS related items
 - **DEPLOYMENT** project implements deployment to production experiments and examples. CLOSED
 - **DRUID** project implements web, dashboard and plaza
 - **DIGILE** project implements the digital supporting services and miscellaneous
 - **KE** project implements support function
 - **SERVICEDESIGN** project implements service design related items. CLOSED
- **FORGE Service Lab** if for collaboration with forums and communicating announcements for all
- **FORGE Support** contains support and documents for service developers.



The screenshot displays the 'FORGE Service Lab' project portfolio interface. At the top, there is a header with the 'FORGE SERVICE LAB' logo on the left, the title 'FORGE Service Lab' in the center, and a search bar on the right with a 'Jump to a project...' dropdown. Below the header, the main content area is titled 'Projects' and includes a '+ New project' button and links for 'View all issues', 'Overall spent time', and 'Overall activity'. The project list includes:

- DIGILE SBD**: DIGILE BUSINESS DEVELOPMENT is Digile internal project managed by Digile sales team. This project was set up as a temporary project to collect product backlog items to be addressed due to Digile organization change. Digile sales team may decide to use another tool to replace this one....
- FORGE**: FORGE is the FORGE platform development internal project managed by Digile. The project is a container for all FORGE work. This project defines releases. FORGE internal documentation is under this project in internal wiki....
- CSC**: CSC is FORGE platform development internal project managed by CSC. The project implements and operates FORGE IaaS
- DEPLOYMENT**: DEPLOYMENT is FORGE platform development internal project managed by Weego. The project examines the deployment to commercial production IaaS clouds. This project is completed and not active anymore.
- DIGILE**: DIGILE is FORGE platform development internal project managed by Digile. The project manages and operates FORGE platform and also carries out the FORGE platform development activities
- Druid**: DRUID is FORGE platform development internal project which Druid manages and implements FORGE WEB, Plaza and Dashboard related work
- KE**: KE is FORGE platform development internal project managed by Kainuunetu. The project implements and operates FORGE helpdesk (FAP) development activities.
- SERVICEDESIGN**: SERVICEDESIGN is FORGE platform development internal project managed by JAMK. The project implements and operates Service Design related activities
- FORGE Service Lab**: FORGE has enabled Forums for everybody to be used for discussions and collaboration. News channel will be used to provide you information about the maintenance breaks, new features or other important information. News will be delivered via email too....
- FORGE Support**: FORGE service developers can enjoy additional resources that are made available in FORGE Service Lab.
Resources are documented in wiki...
- Service Development Template Project**: This is the Service Development Template Project. Projects may be created using this template. If your project was created using this template, you might want to change this description from Project/Settings/Information tab.

At the bottom right, there is a 'My projects' star icon and a note 'Also available in: Atom'.

Release and Sprint planning roles

Business owner

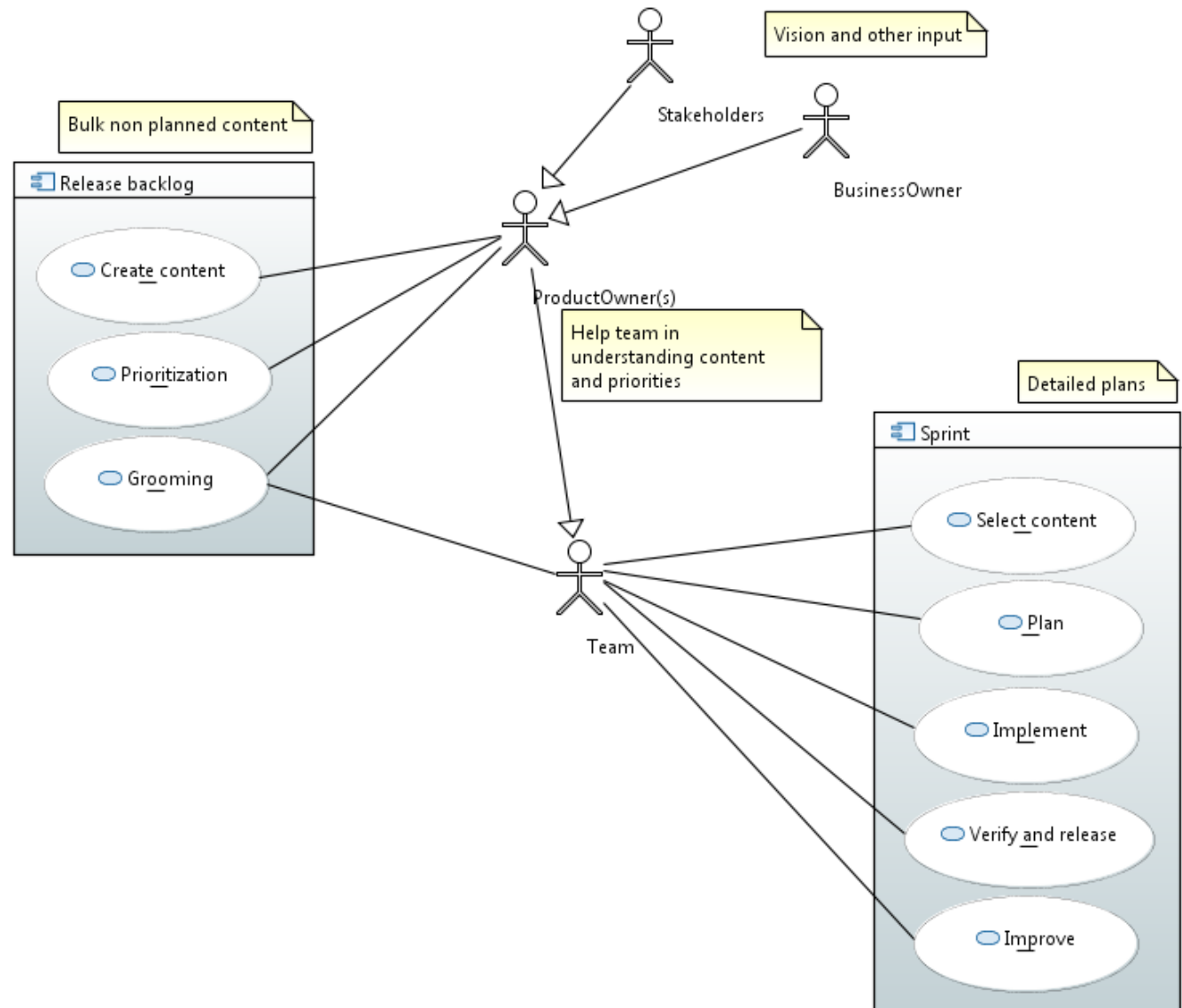
- Provide vision and other input

Product owner

- Prioritize and groom backlogs
- Help projects in planning the content
- Explain content for teams

Team and scrum master

- Select, plan and implement the content
- Followup and improve processes and practices



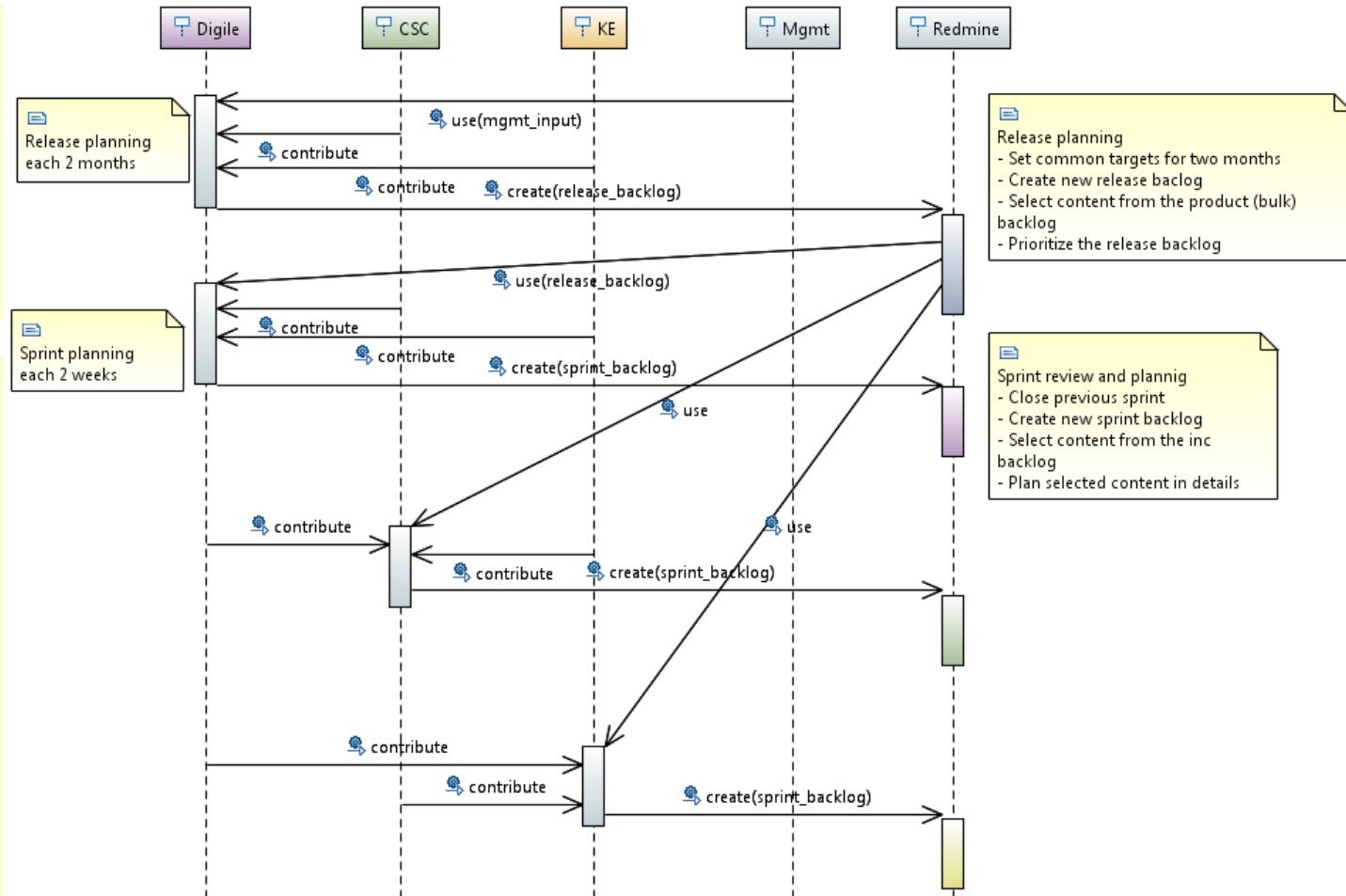
Multiproject cross-project planning

Release planning

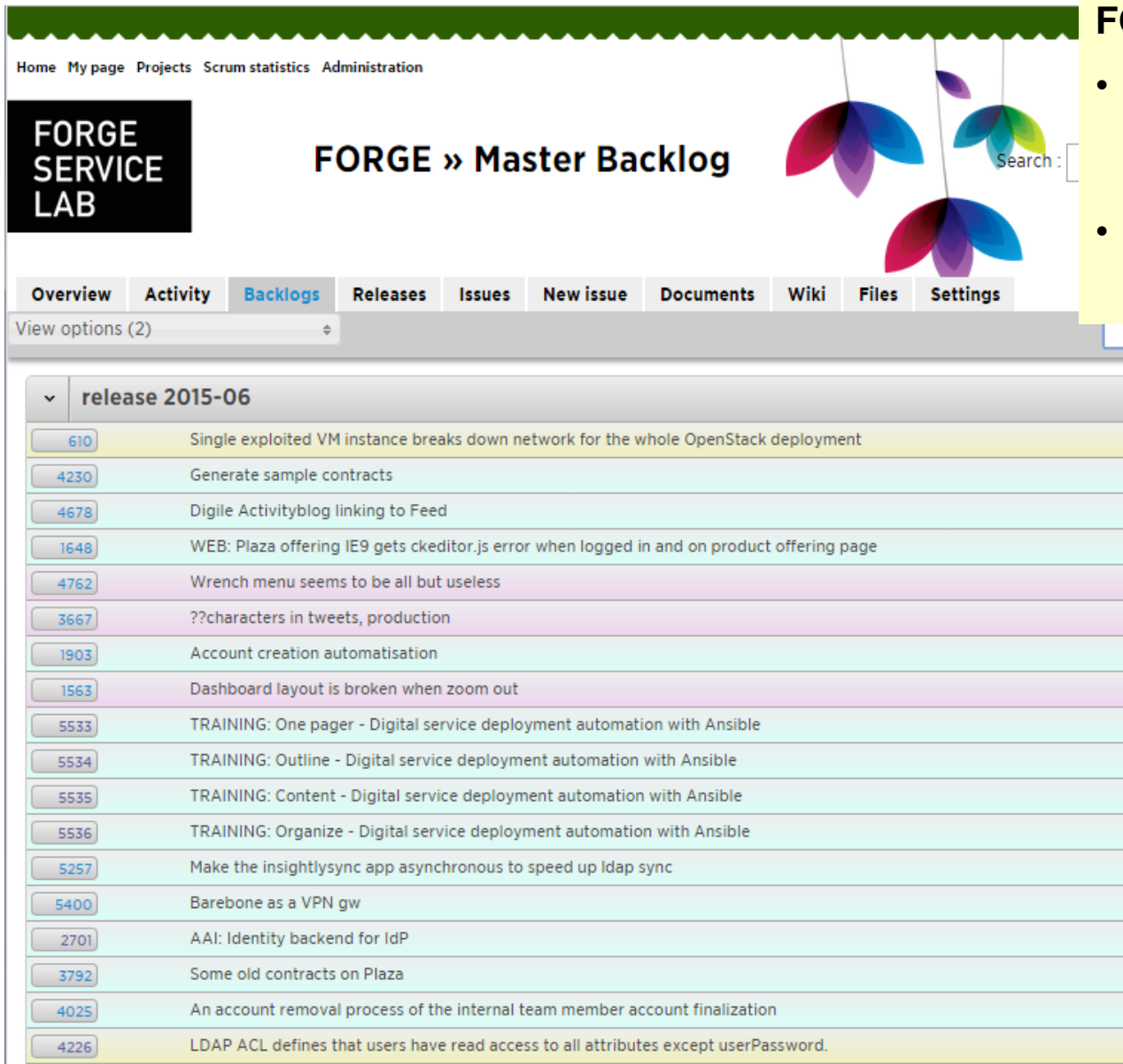
- High level program planning for two month period
- Common targets and user stories for all projects

Sprint planning(s)

- Detailed sub-project planning for two week period
- Each project selects set of user stories and defines tasks for its sprint



FORGE program release backlog



The screenshot shows the FORGE » Master Backlog page. At the top, there is a navigation bar with links: Home, My page, Projects, Scrum statistics, and Administration. Below this is a header section with the FORGE SERVICE LAB logo on the left and the title FORGE » Master Backlog in the center. To the right of the title is a search bar. Below the header is a tabbed interface with tabs: Overview, Activity, Backlogs (selected), Releases, Issues, New issue, Documents, Wiki, Files, and Settings. Below the tabs is a dropdown menu for View options (2). The main content area shows a list of issues for the release 2015-06. The issues are listed in a table with columns for ID and Description.

ID	Description
610	Single exploited VM instance breaks down network for the whole OpenStack deployment
4230	Generate sample contracts
4678	Digile Activityblog linking to Feed
1648	WEB: Plaza offering IE9 gets ckeditor.js error when logged in and on product offering page
4762	Wrench menu seems to be all but useless
3667	??characters in tweets, production
1903	Account creation automatisisation
1563	Dashboard layout is broken when zoom out
5533	TRAINING: One pager - Digital service deployment automation with Ansible
5534	TRAINING: Outline - Digital service deployment automation with Ansible
5535	TRAINING: Content - Digital service deployment automation with Ansible
5536	TRAINING: Organize - Digital service deployment automation with Ansible
5257	Make the insightlysync app asynchronous to speed up ldap sync
5400	Barebone as a VPN gw
2701	AAI: Identity backend for IdP
3792	Some old contracts on Plaza
4025	An account removal process of the internal team member account finalization
4226	LDAP ACL defines that users have read access to all attributes except userPassword.

FORGE top level project

- Contains common targets and content for all sub-projects
- Two month periods

Project's sprint backlog

Sub-project

- Contains content of the specific project
- Two week periods

Home My page Projects Scrum statistics Administration

FORGE SERVICE LAB

FORGE » DIGILE » Master Backlog

Search:

Overview Activity Roadmap **Backlogs** Task board Releases Issues New issue News Wiki Files Tests Settings

View options (3) Enable Auto-refresh Refresh Multiline

sprint 2015-06-02

	05-20	2015-06-02	66
5486 Jorge	Test jenkins is	Closed	
5444 Jorge	REDMINE: Canned response plugin not working as expected	Closed	
5482	Nagios to provide insight for the server upgrade needs	New	
5434 Jorge	Testing insightly sync script sends automated mails on every run.	Closed	
5409	DAP: FORGE servers' log analysis pipeline	New	21.0
3949 Pasi	Technical support for sales	Rejected	5.0
4754	KAPA: Feasibility study of a customer ability to access KaPA services trou	New	13.0
5404	DAP: Data analytics pipeline technology selections	Rejected	
4225	Training tenant playbook	New	3.0
4625	Cleanup of images in OpenStack	New	3.0
4039 Jari	Contracting process not documented in wiki even when the task #419 is	New	
4561	Subject: TA: Test automation simple solution for affiliates Tracker ID: Story Status: New Category: Points: Estimation (hours): Spent Time: 0.0 Remaining (hours): Assignee: Project: DIGILE Release: increment 2014-09		13.0
5402 Antti			8.0
5426			

Show Complete

sprint backlog

Story

Definition of done

- Ansible playbook and instructions in wiki to use Robot test framework in with CI tool
- Instructions in wiki to setup and use the TA

release 2015-06

	5-01	2015-06-26	29
5533	TRAINING: One	on with Ansib	New
5534	TRAINING: Outline - Digital service deployment automation with Ansible	New	
5535	TRAINING: Content - Digital service deployment automation with Ansible	New	
5536	TRAINING: Organize - Digital service deployment automation with Ansible	New	
5257	Make the insightlysync app asynchronous to speed up ldap sync	New	
5400	Barebone as a VPN gw	New	
2701	AAI: Identity backend for IdP	New	
	An account removal process of the internal team member account finaliza	New	3.0
	defines that users have read access to all attributes except user	New	
	Adhoc and quick live webcasts setup feasibility study	New	
5348	The business use case for running IdP is not clear	New	
5199	OpenStack cleanup	New	
3704	Superfluous custom-tailored flavors	New	
4218	PLATFORM: KaPA feasibility study	New	
4680 Jari	KAPA: Potential legal problems in using X-Road components because licei	New	
4565	KAPA: ESBGW example and documentation for affiliates	New	
4562	KAPA: KAPA-ESB app example and documentation for affiliates	New	
4796	KAPA: Alternative architecture and techology selections for KaPA	New	
4679 Jari	Potential problems caused by X-Road components without ability to fix th	New	
4035 Pasi	Incident mgmt and bug mgmt process to be cleared	New	
3393	TA: Security test automation study	New	
2390	SECURITY: FORGE security	New	
2787	SECURITY: Host intrusion detection system for FORGE and example for A	New	13.0

Release backlog

Storypoints

Project's detailed sprint plan

Browser address bar: <https://support.forgeservice-lab.fi/redmine/rb/taskboards/38>

Story	New	Reviewed	In Progress	Resolved
<div>353 FORGE infrastructure monitoring and notifications 5.0</div>	<div>399 Document the current monitoring of FORGE Tomas Kara 3.0</div>			
<div>392 Support for contractors 8.0</div>	<div>398 Define and deploy a process to engage Jari Juopperi 3.0</div>			
<div>391 LDAP management improvements for Open Stack identity 8.0</div>			<div>394 Documentation for the module Tomas Kara 2.0</div> <div>393 Implement and test the Python module for Tomas Kara 6.0</div>	
<div>282 Partner & owner of the service design concept 8.0</div>	<div>336 Create documentation for FORGE Affiliates what Jari Juopperi 4.0</div> <div>335 Sign a contract with the partner Jari Juopperi 8.0</div>			
<div>245 Support for manual contracting process 13.0</div>	<div>439 Define, document and agree with CSC the Jari Juopperi 3.0</div> <div>420 Review and update the CRA request template. Jari Juopperi 1.0</div>			<div>418 Create a mailbox for forge contracts Jari Juopperi</div>

Program release planning procedure

Targetsetting

- Define high level targets for the release
- Define detailed targets for the release

Grooming

- Content creation and prioritization
- Move the relevant user stories from product backlog to the release backlog
- Create new user stories and split too big user stories if needed
- Prioritize the user stories

Project sprint planning procedure

Preconditions

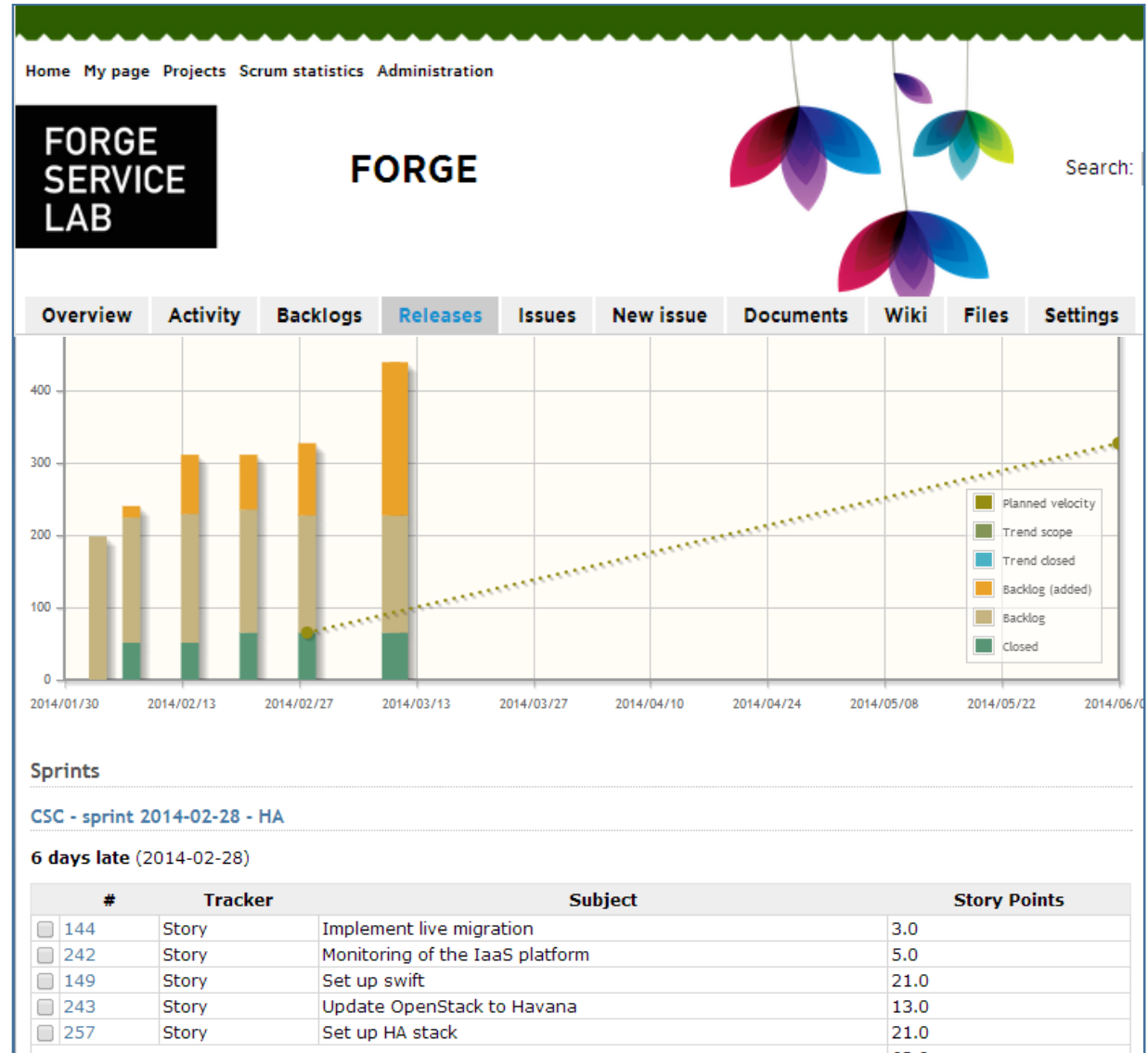
- Release planning is done and targets are available
- Previous sprint is reviewed and closed
- Retrospective held and improvements identified

Planning

- Revisit release targets
- Plan stories one by one
 - Define story points for the stories if not already done
 - Take the story from release backlog to sprint backlog
 - Product owner explains the story
 - Discuss and split the story if needed
 - Create and assign tasks according to team members volunteer to take them
- Review the developed taskboard with product owner and start sprint

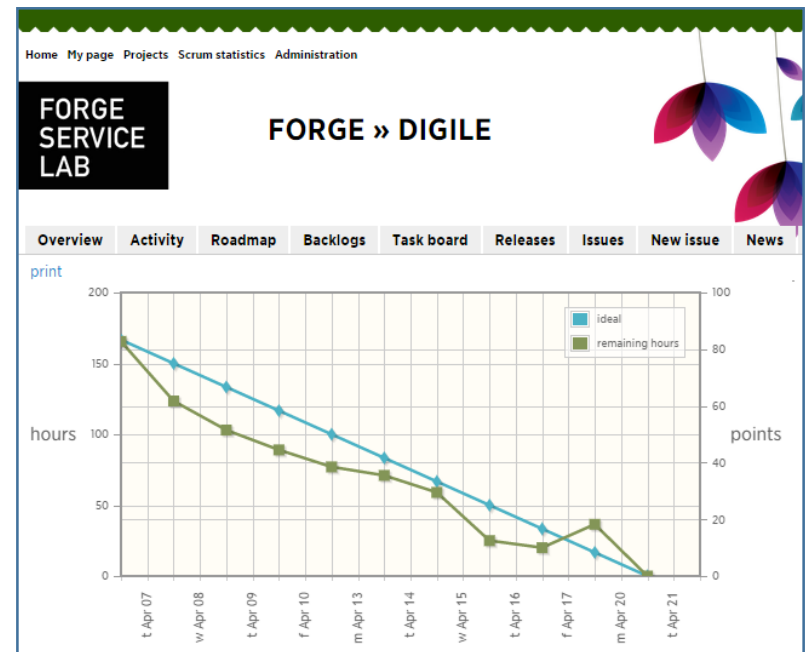
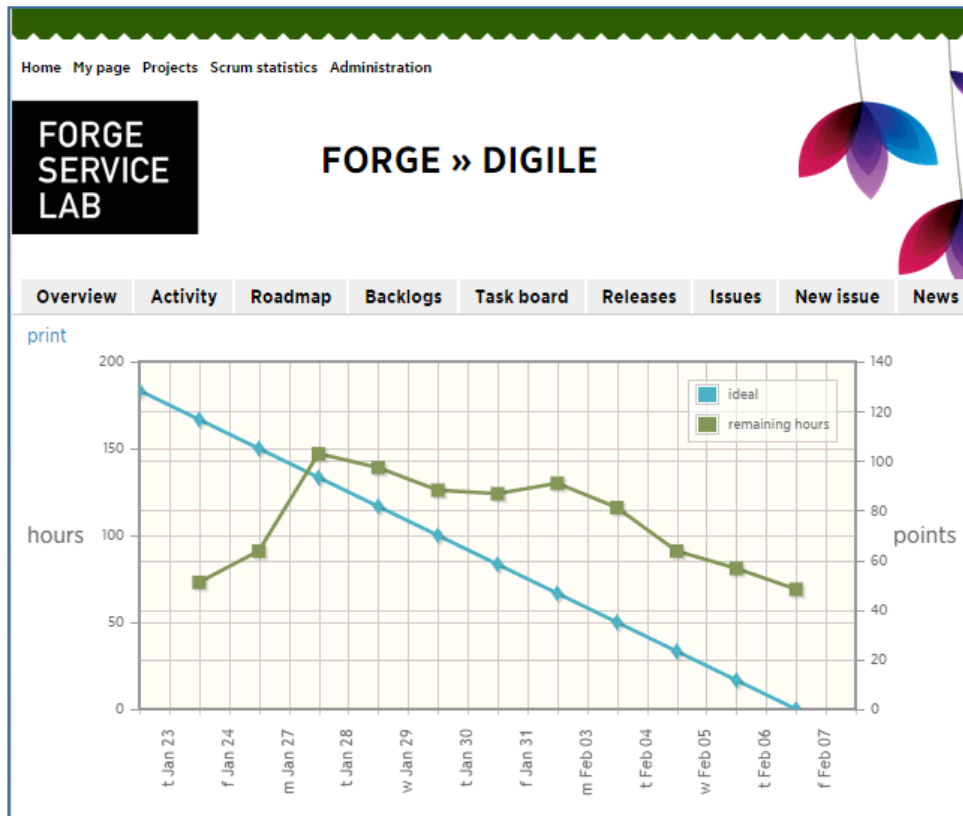
Program release metrics and release notes

- For each release the program start to get data about completed vs. remaining content
- It's possible to estimate when the whole release can be completed
- If more content is added on the go, then then the time increases too
- The estimate is as good as the quality of storypoints given
- We have decided that we'll rather keep the deadline fixed and may change the amount of content



Project sprint burndown metrics

- Each project gets the velocity data for each of its sprints
- Velocity tells how much content (storypoints) a project completed in the sprint
- Based on the velocity history, we can estimate how much content the project is able to complete in sprints
- All extra tasks given/taken during the sprint or other changes will impact on velocity



Program release metrics – all time



FORGE

[Overview](#)
[Activity](#)
[Backlogs](#)
[Releases](#)
[Issues](#)
[New issue](#)
[Documents](#)
[Wiki](#)
[Files](#)
[Settings](#)

 [Edit](#) [Delete](#)

Release multiview

Burnchart

