features

Höhere technische Bundeslehr- und Versuchsanstalt Villach

Ausbildungszweig
Informationstechnologie – Netzwerktechnik

SNEK Network for Engineers and Knowledged

social network for developer

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am 12. August 2020

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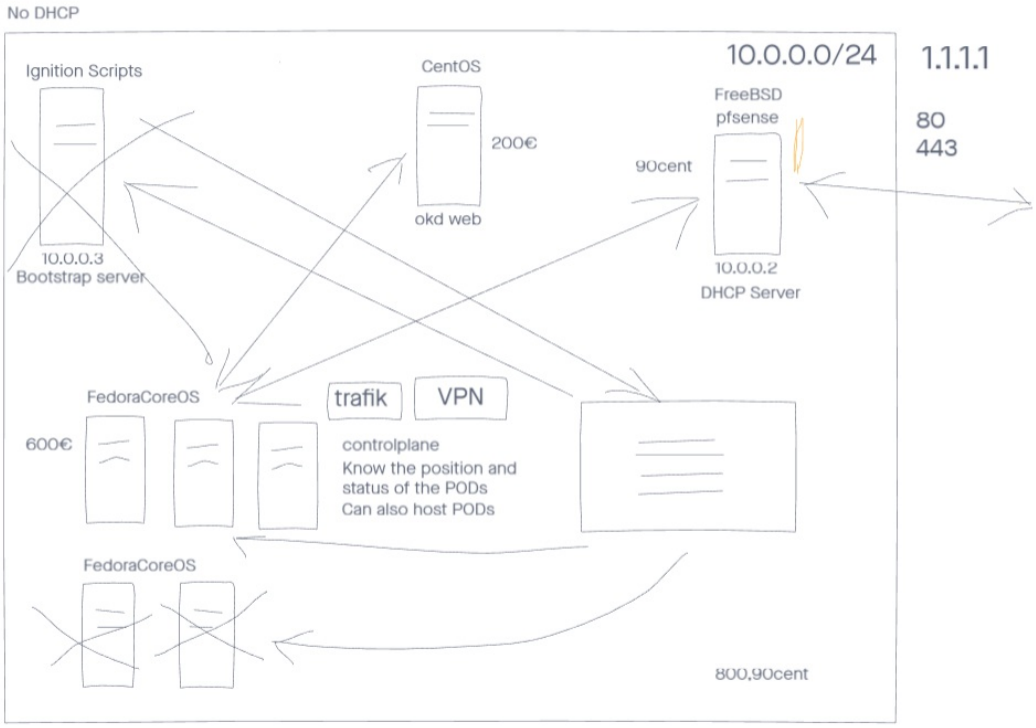
1 Basic OKD Cluster

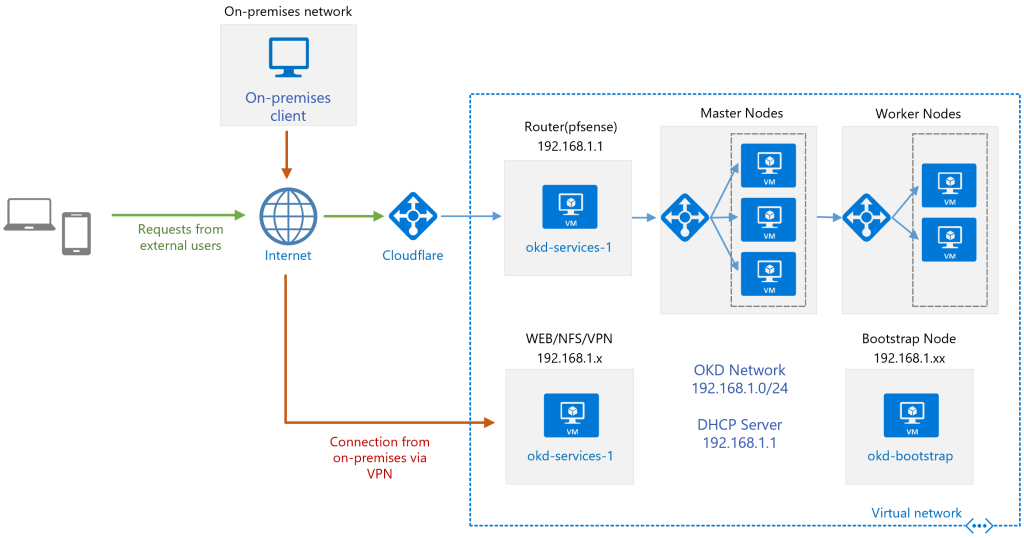
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

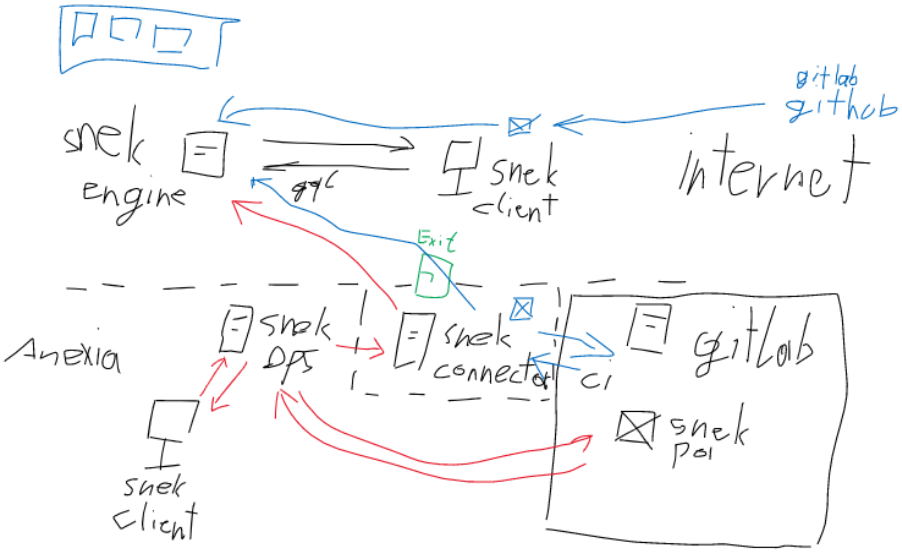
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

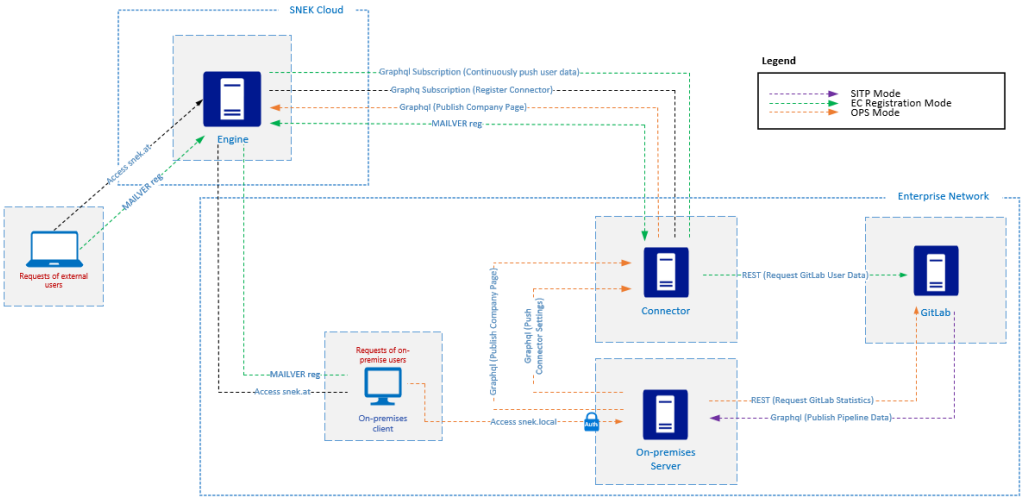
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

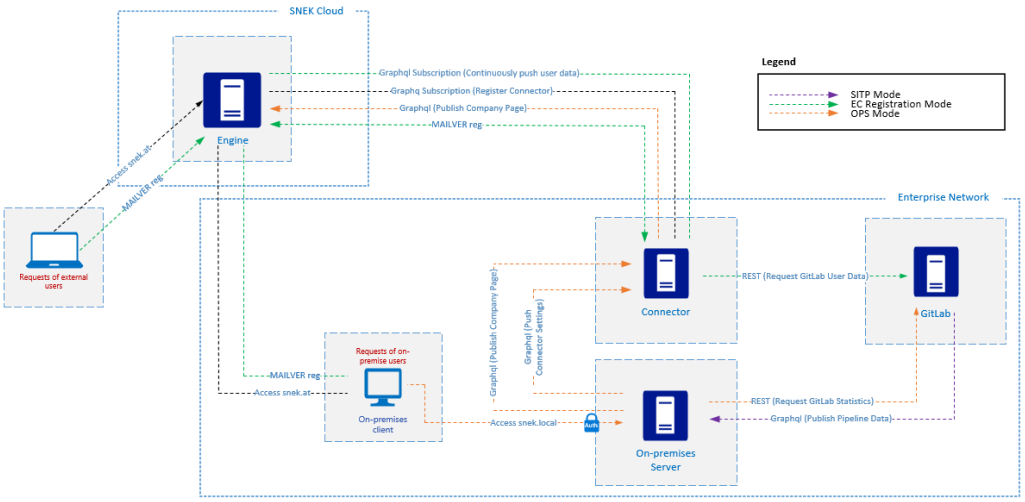
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
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Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

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User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

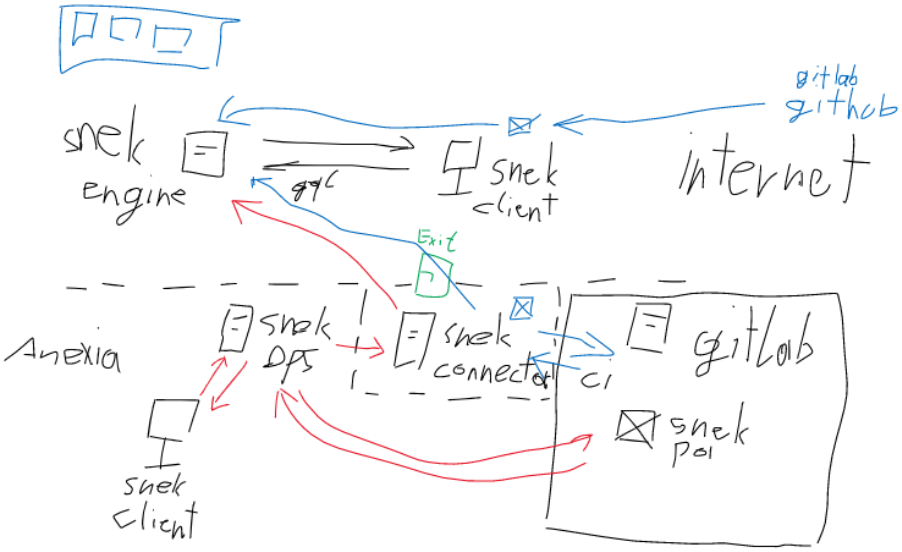
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

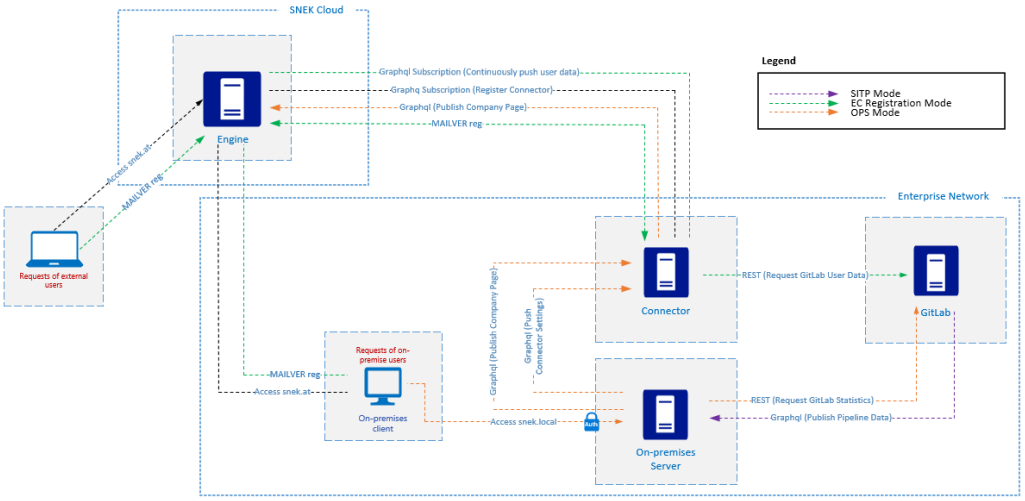
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

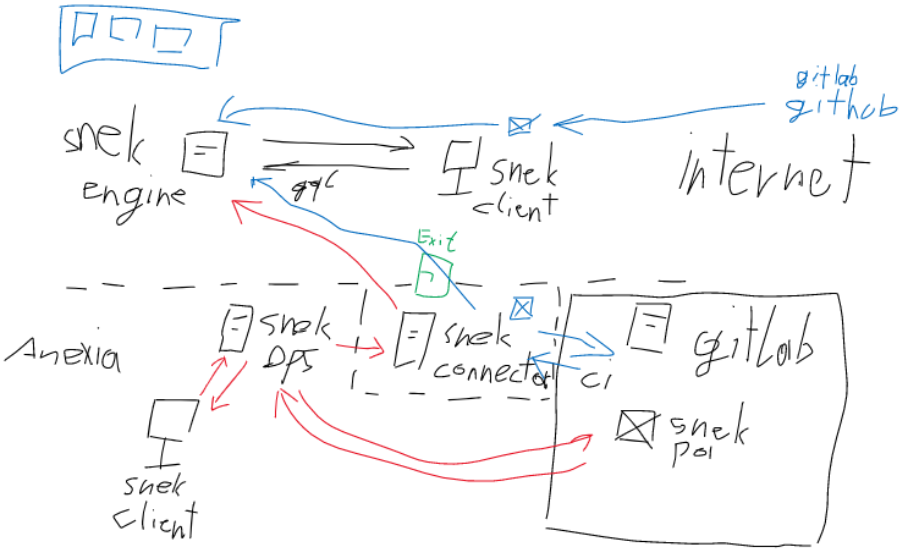
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

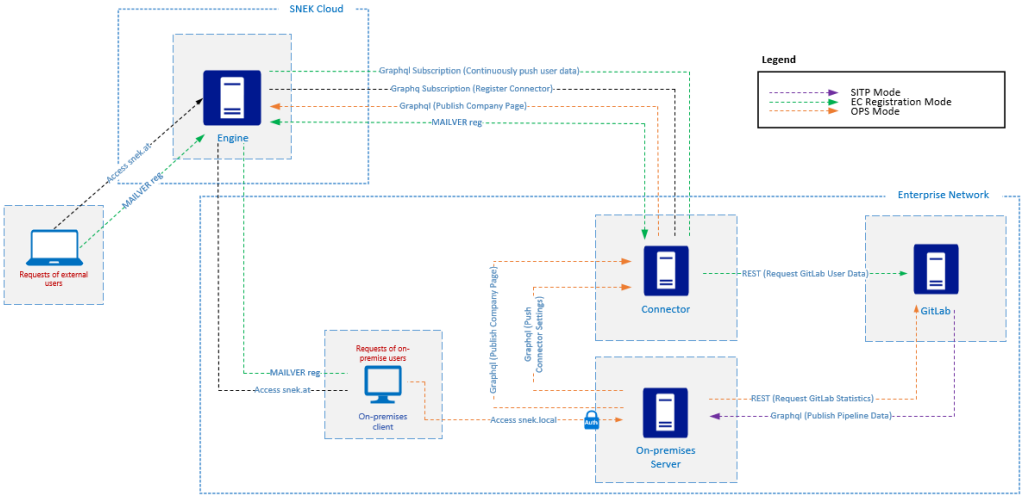
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

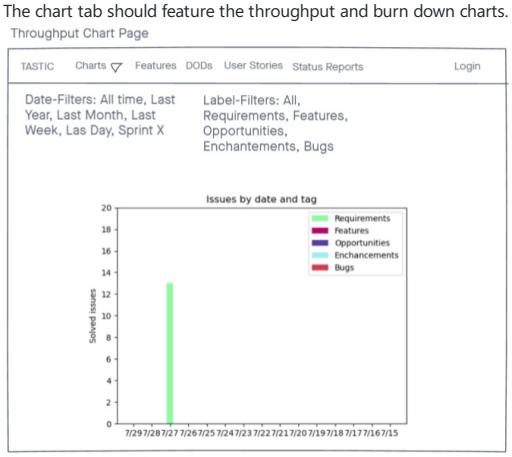
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

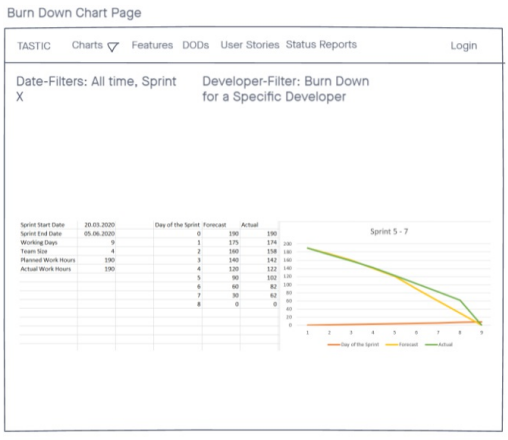
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

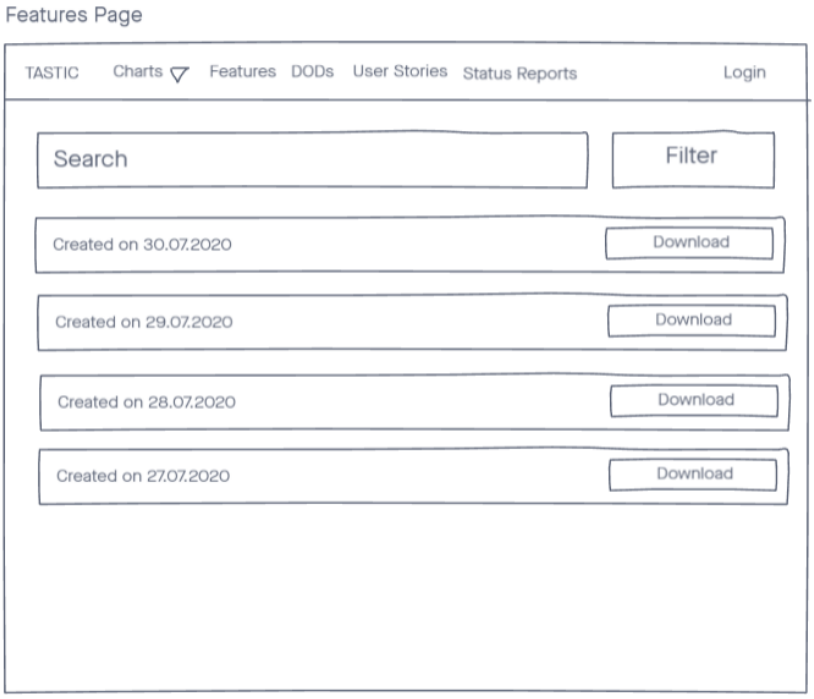
Charts Pages
The chart tab should feature the throughput and burn down charts.





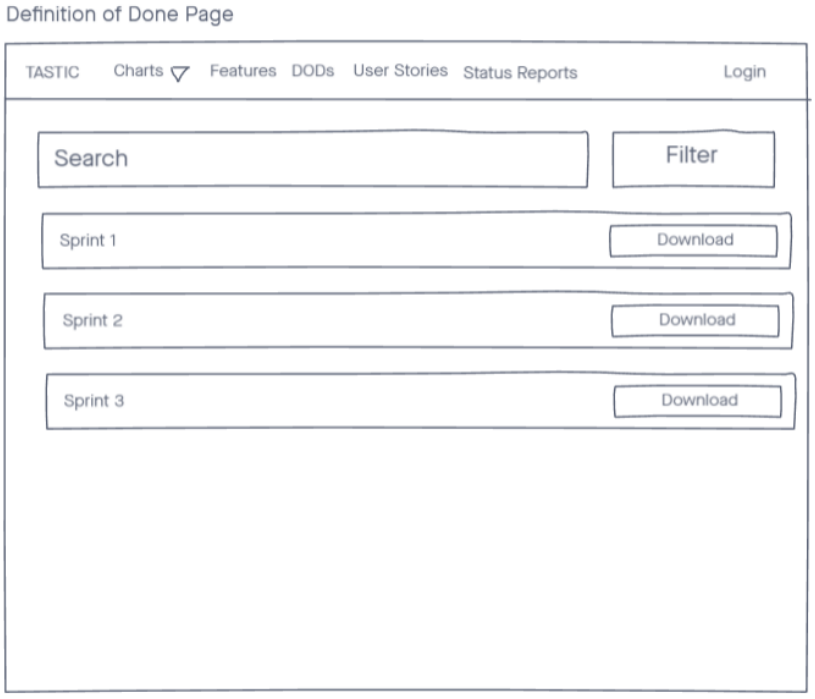
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

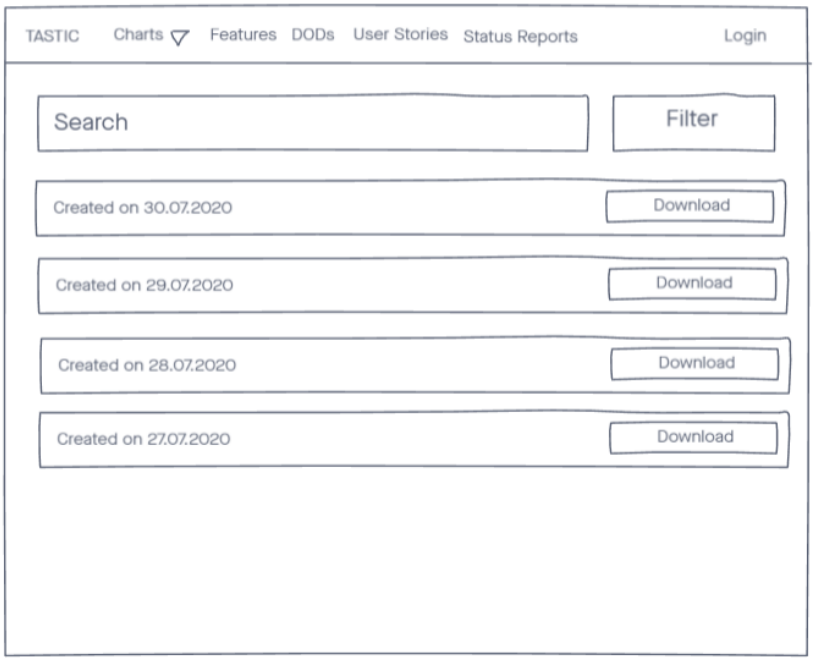
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

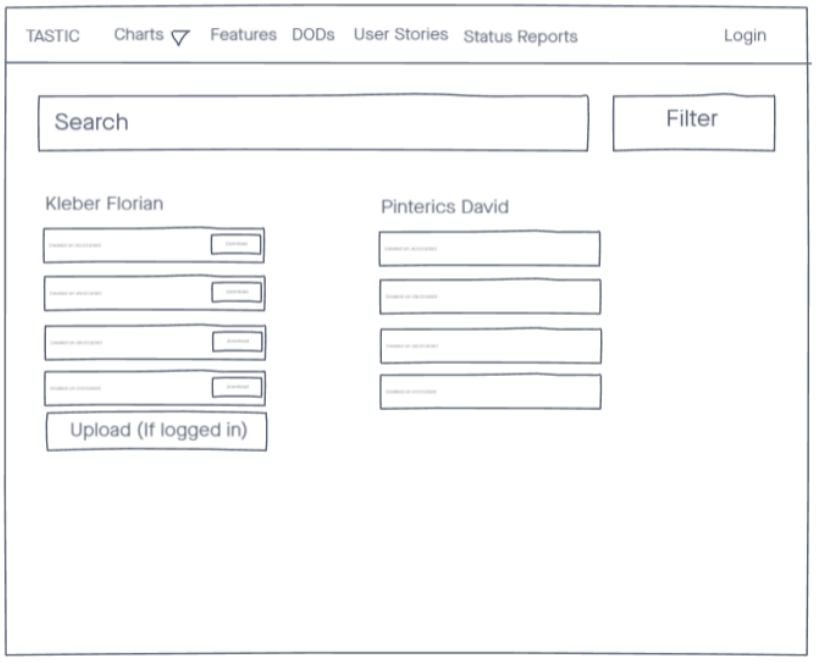
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

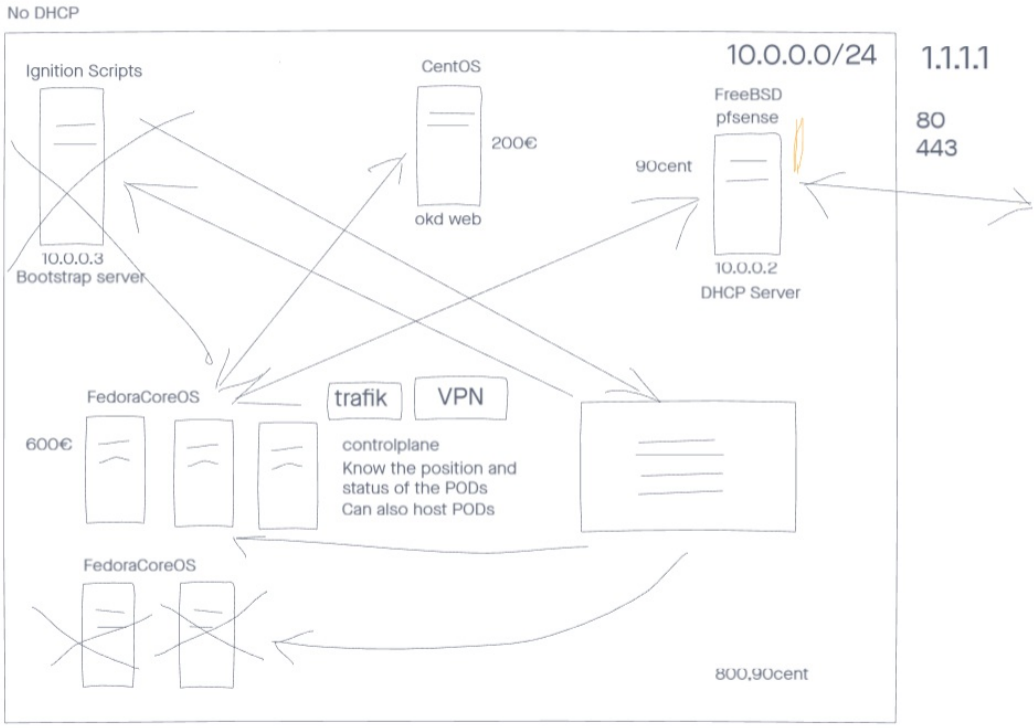
2 Enterprise Connector

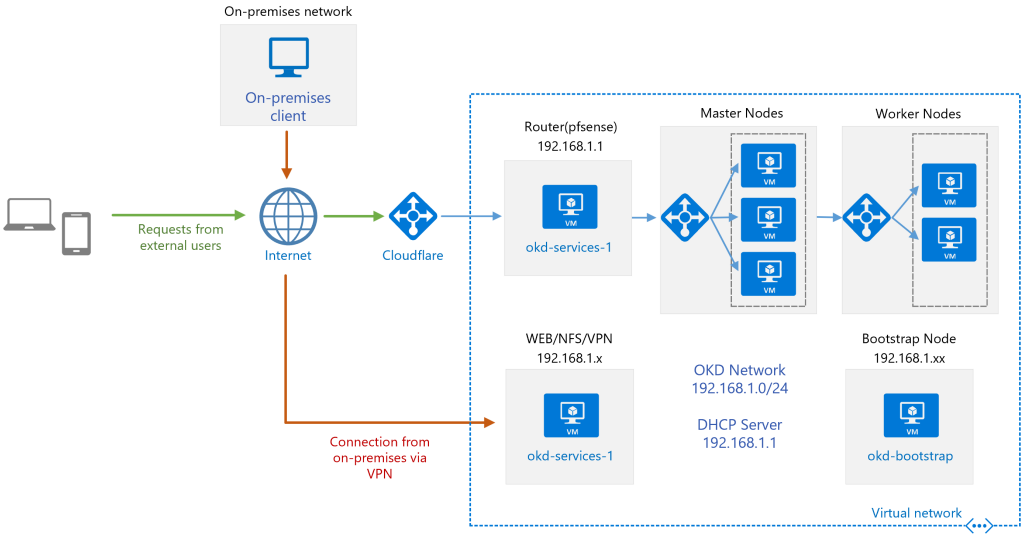
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
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Opportunity Milestones	**Completed at in RFC 2822 format**
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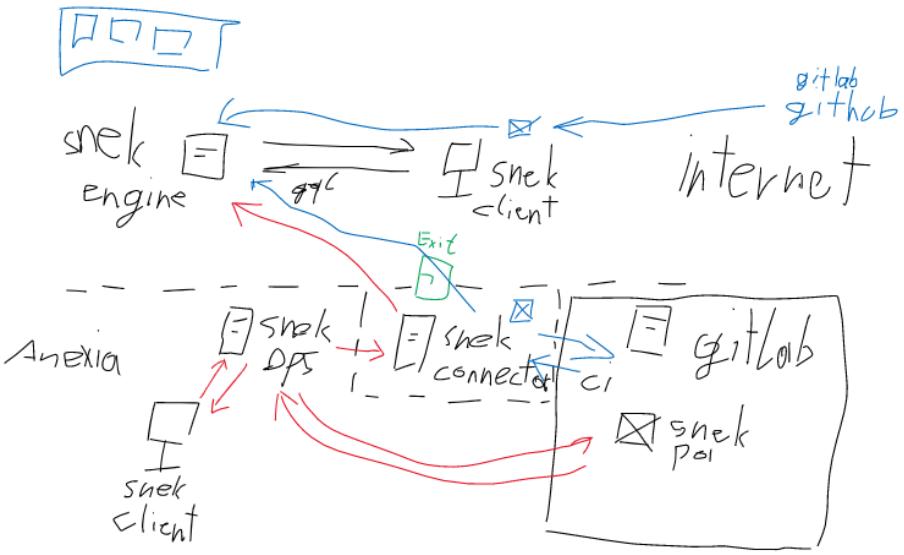
User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

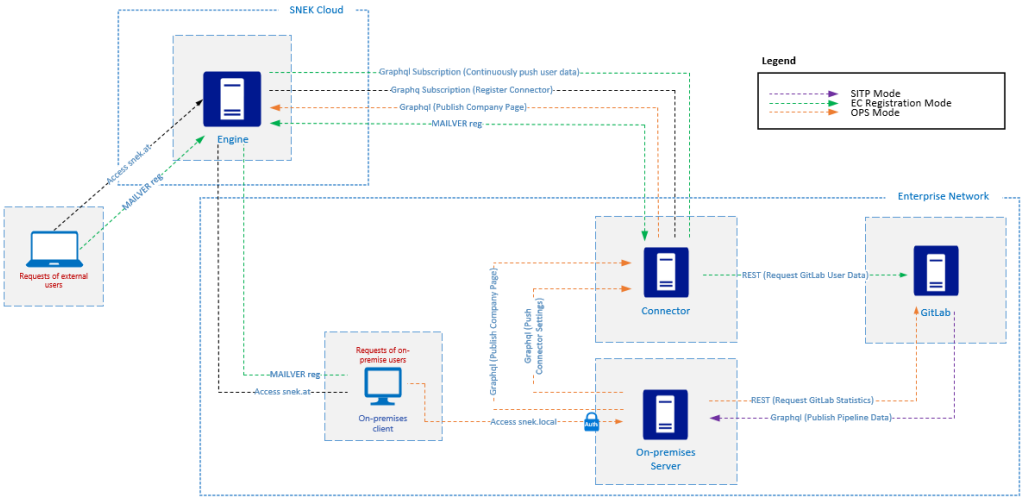
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

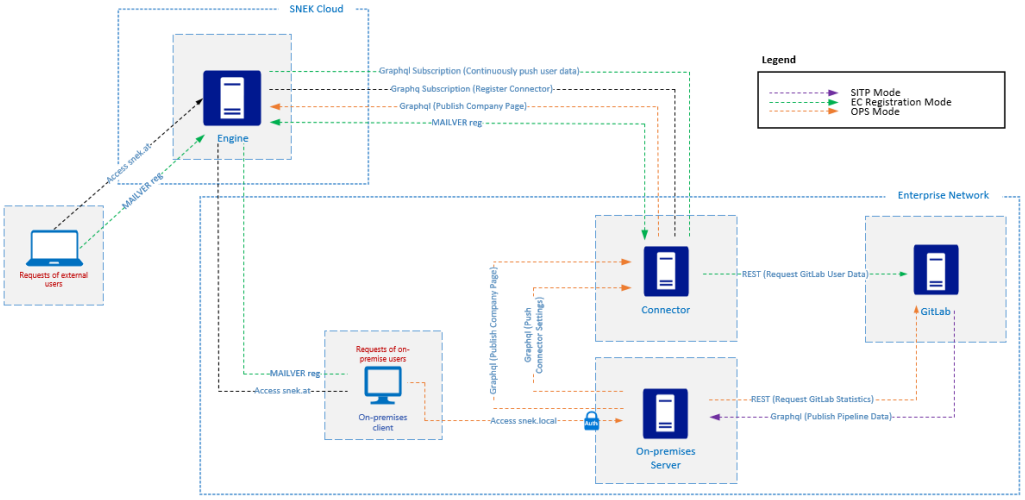
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

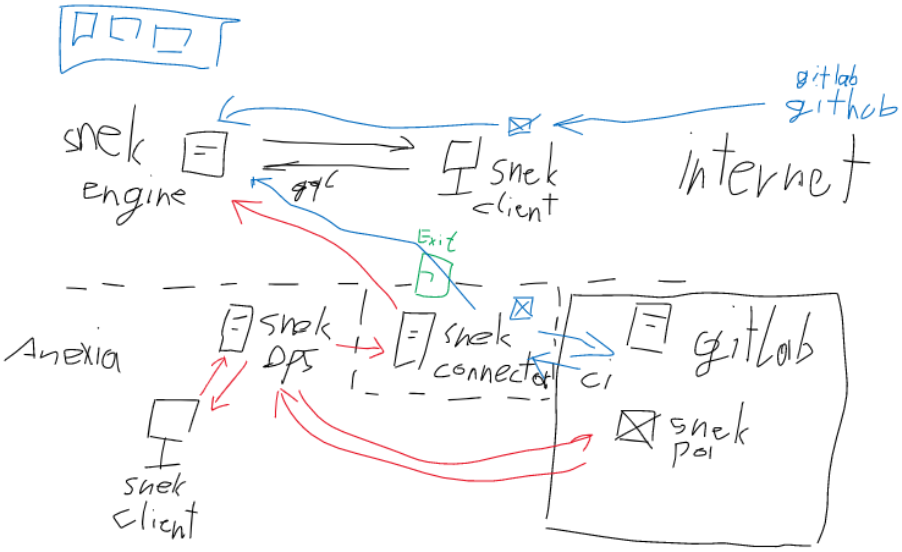
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

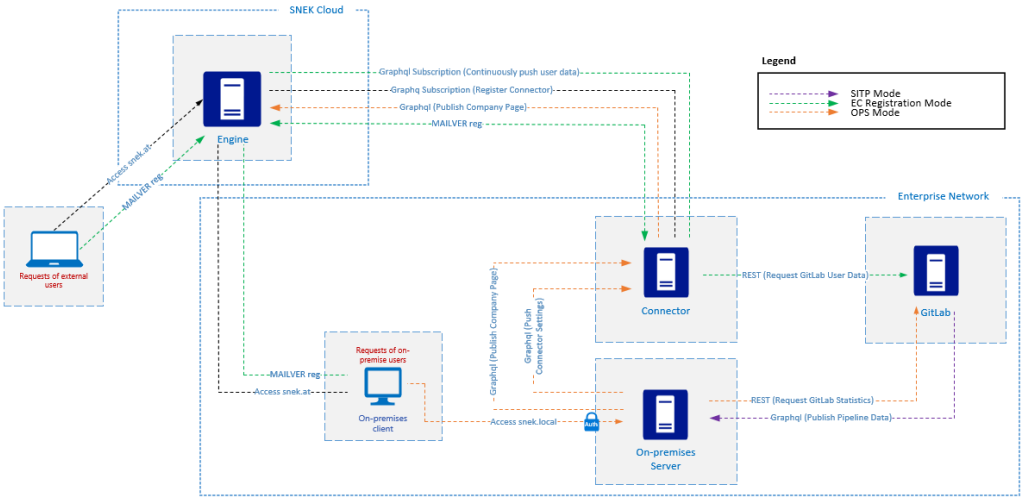
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

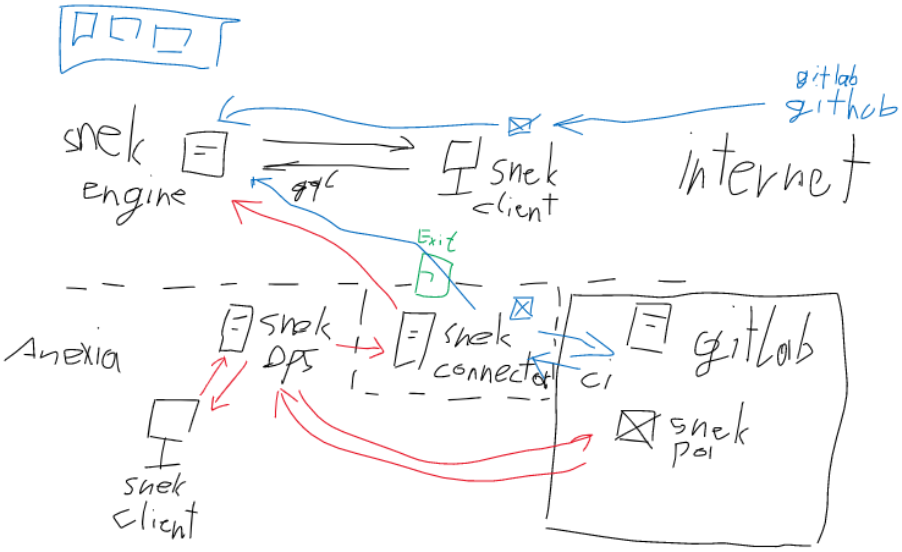
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

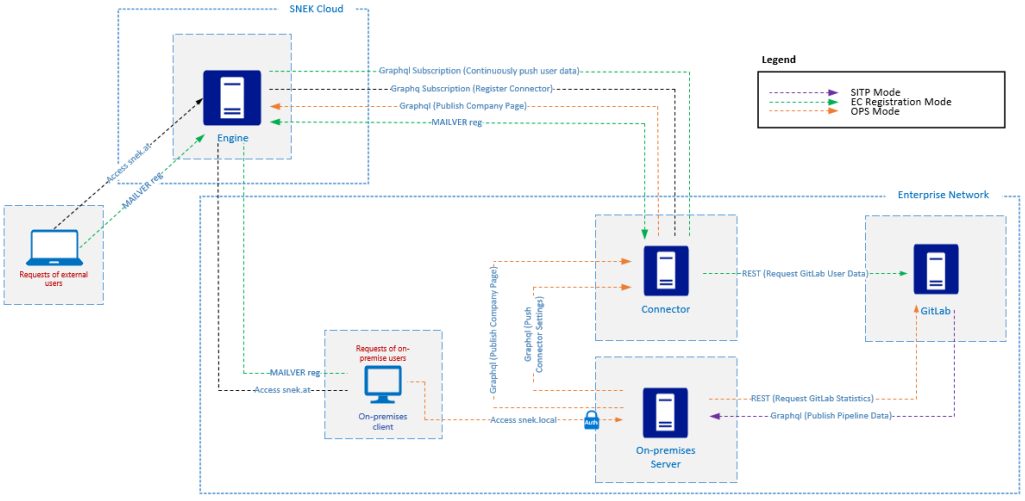
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

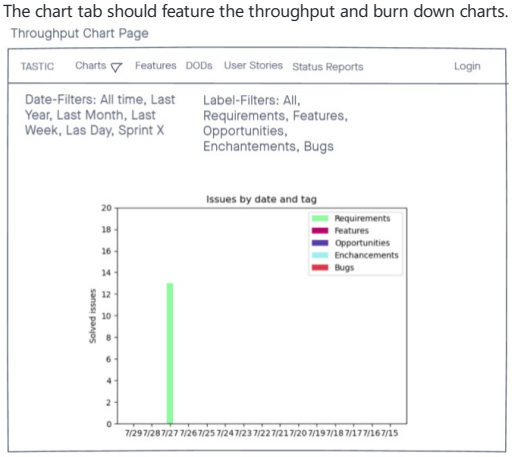
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

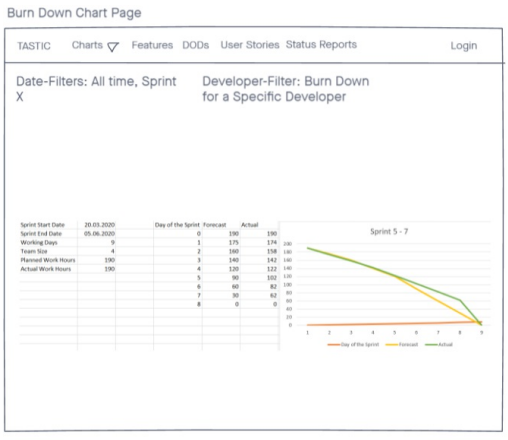
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

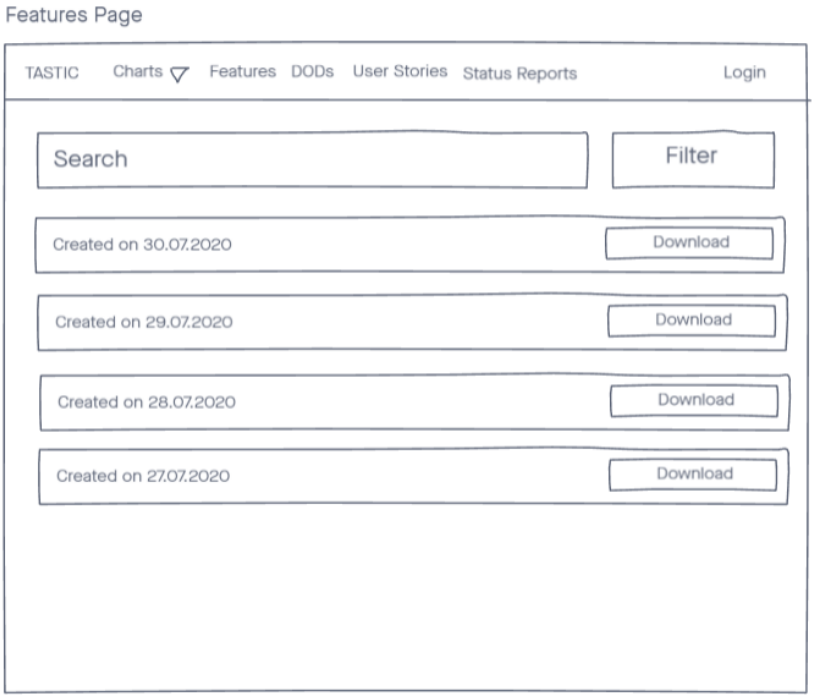
Charts Pages
The chart tab should feature the throughput and burn down charts.





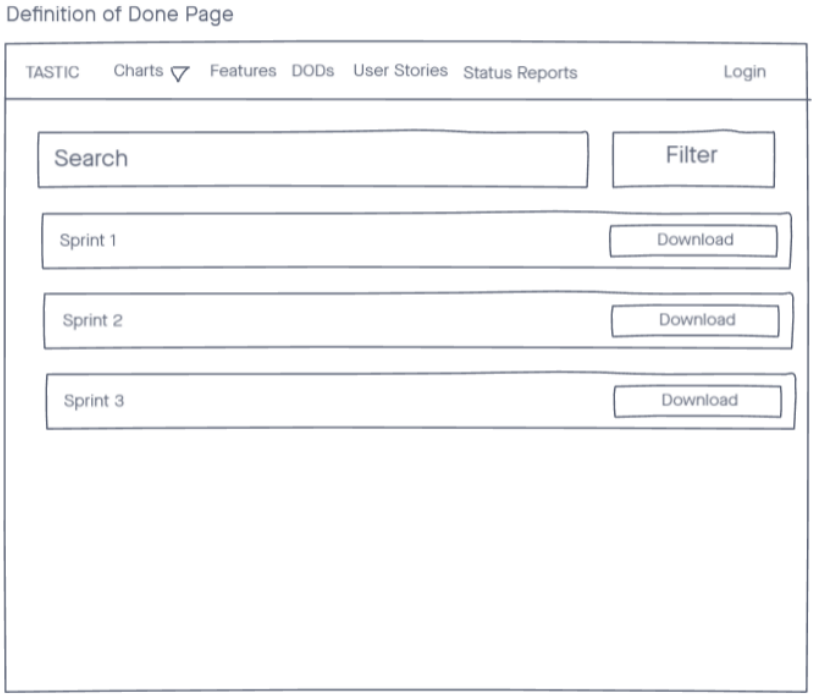
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

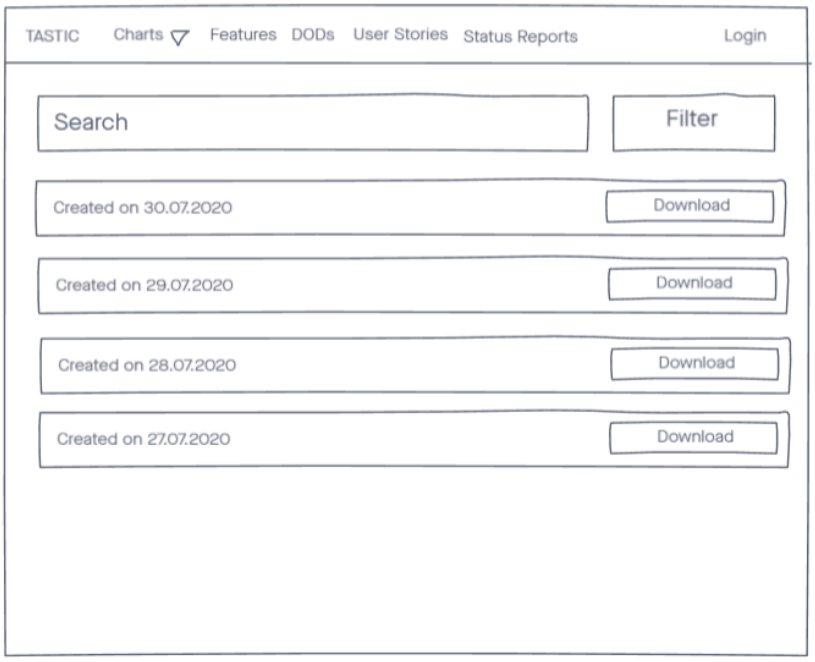
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

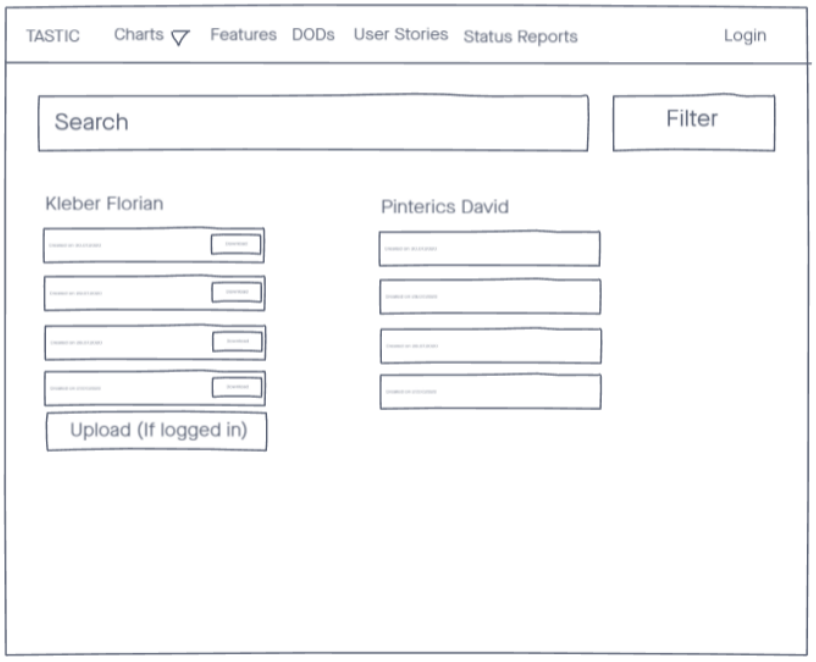
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

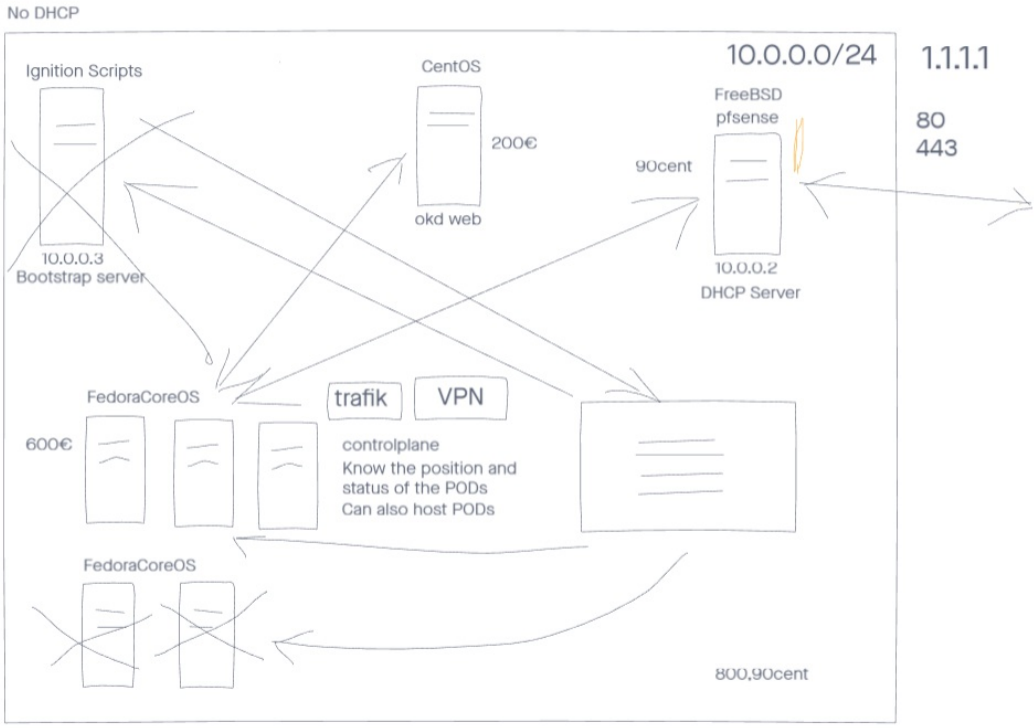
3 Migrate Bifrost GraphQL API

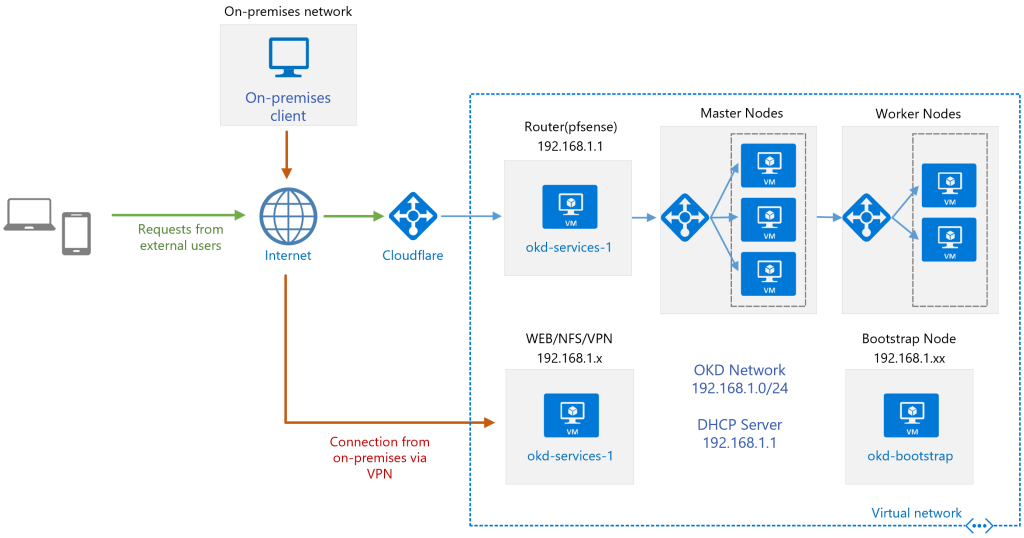
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

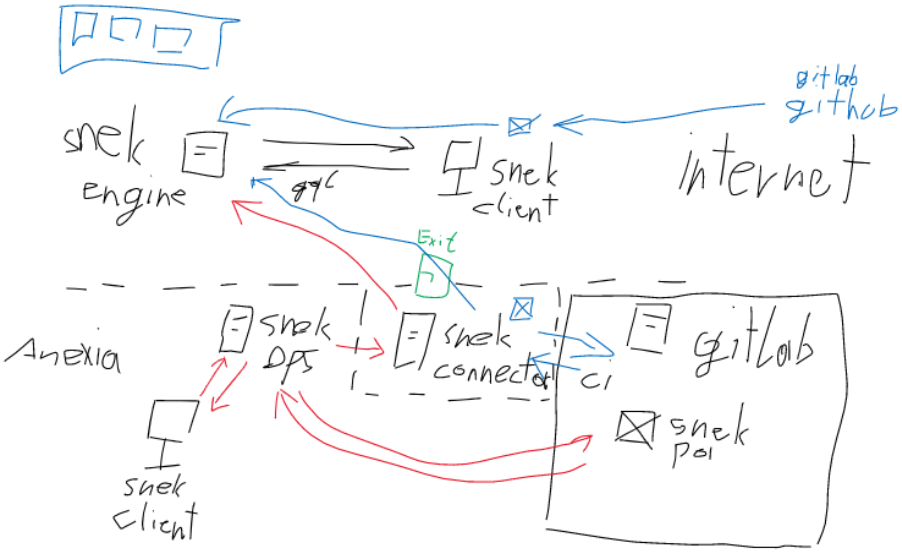
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

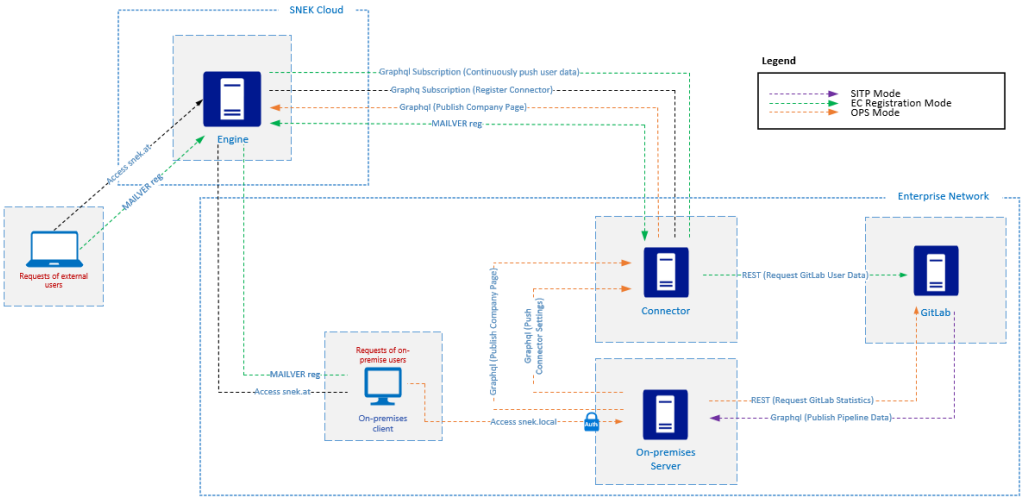
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

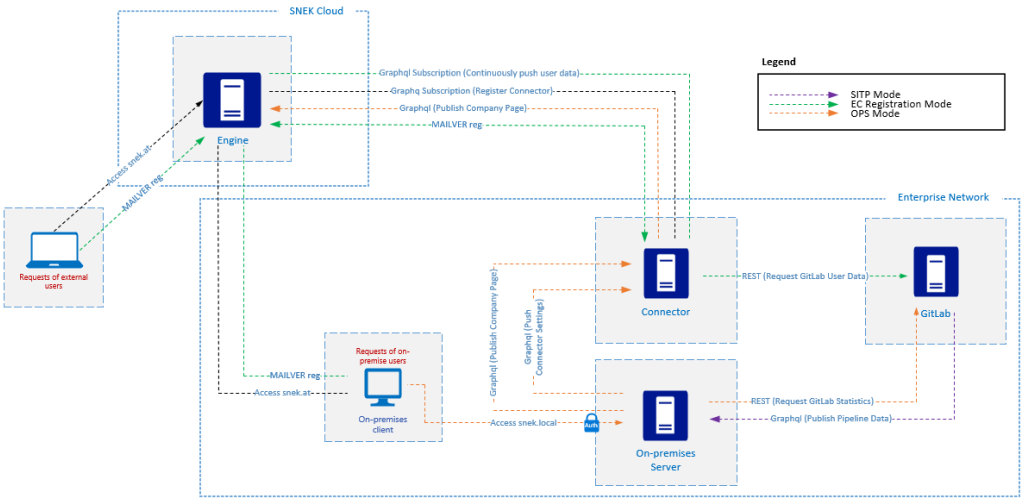
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

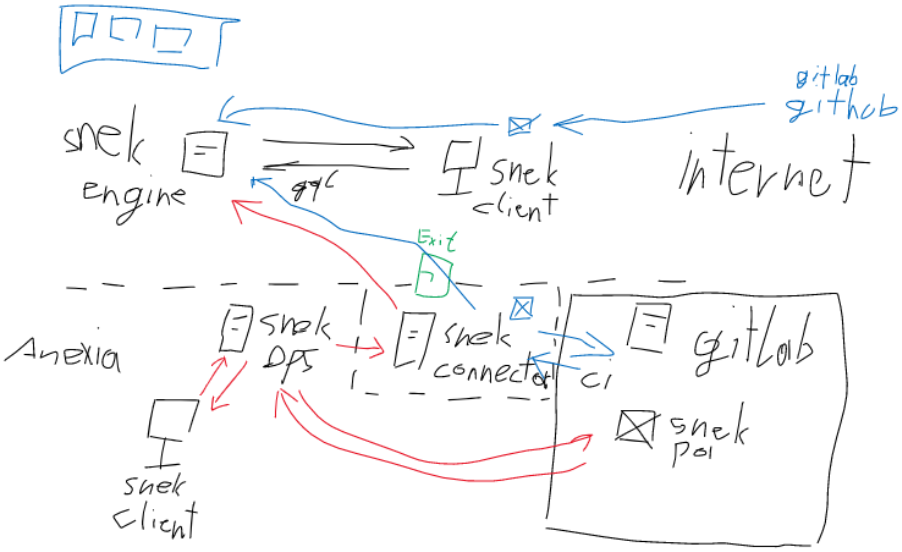
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

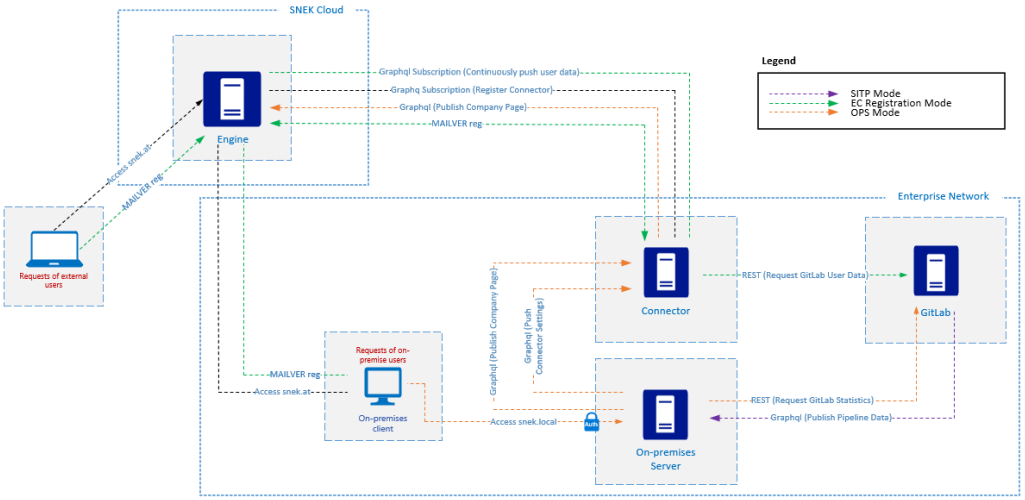
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

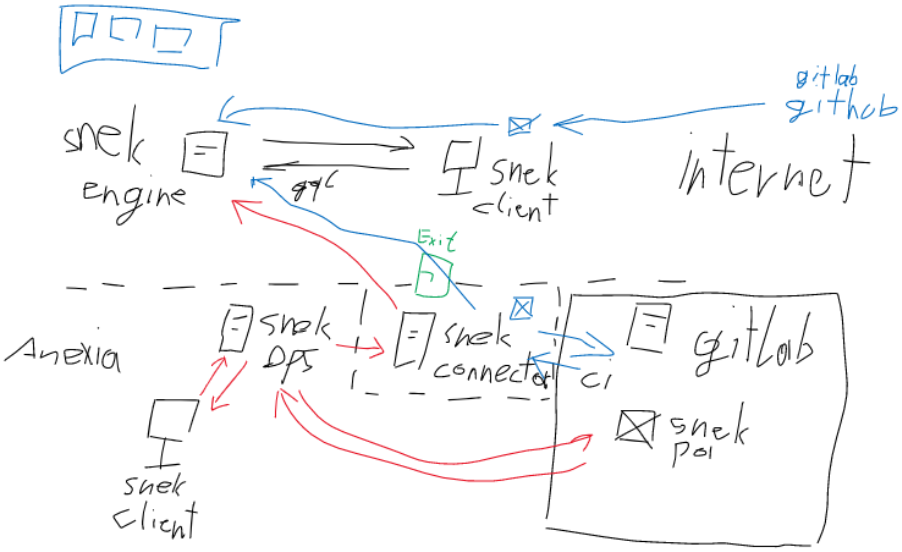
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

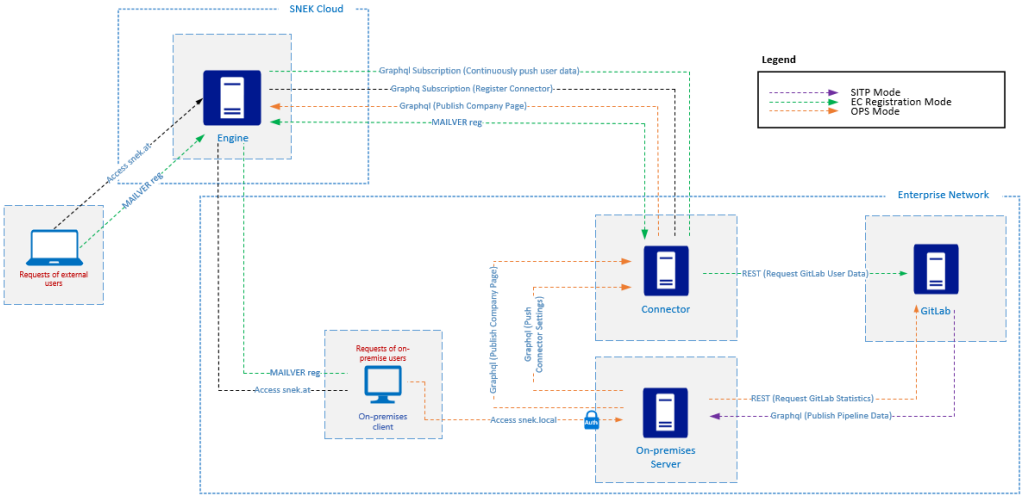
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

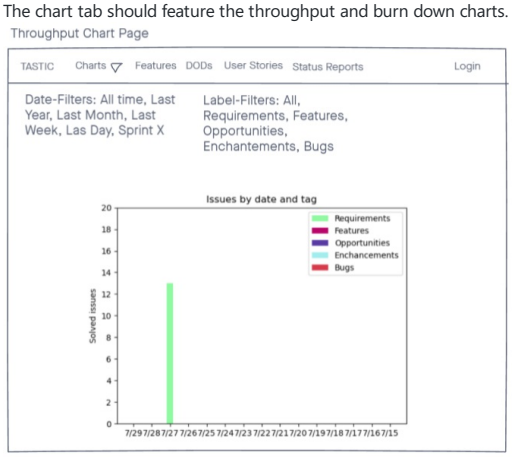
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

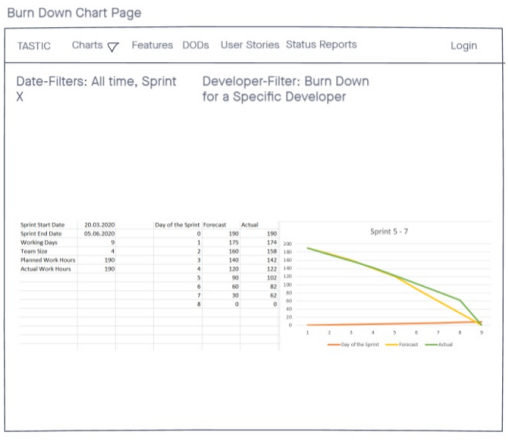
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

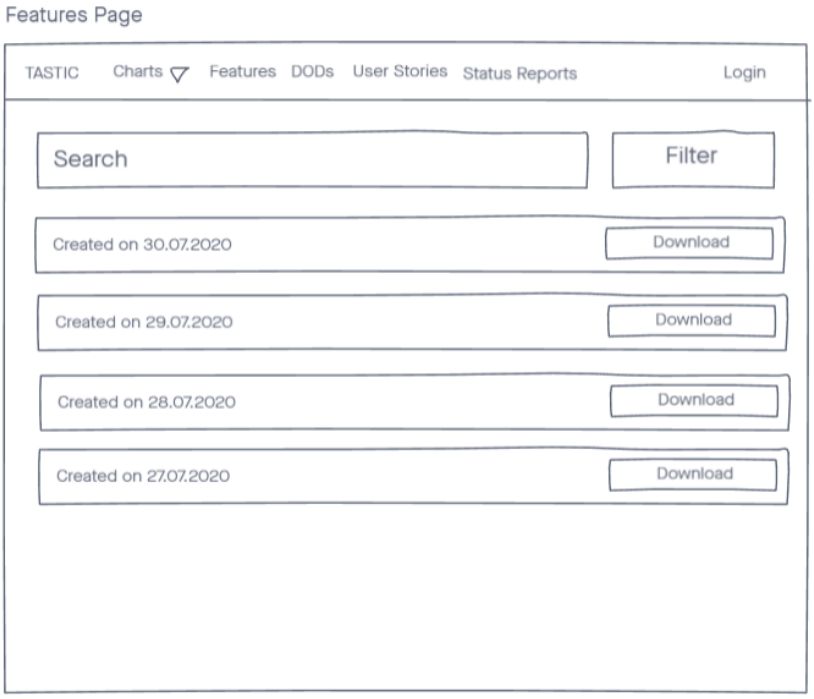
Charts Pages
The chart tab should feature the throughput and burn down charts.





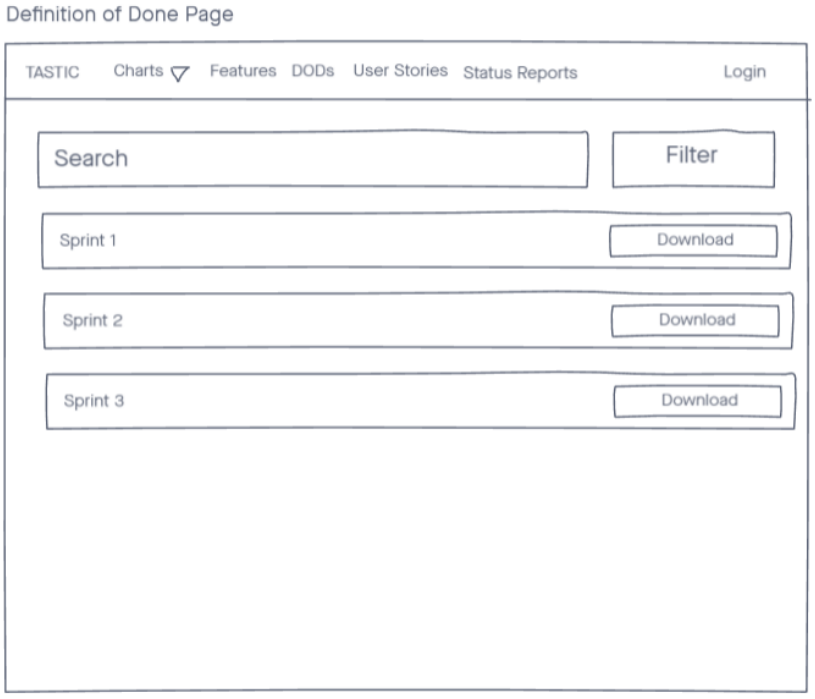
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

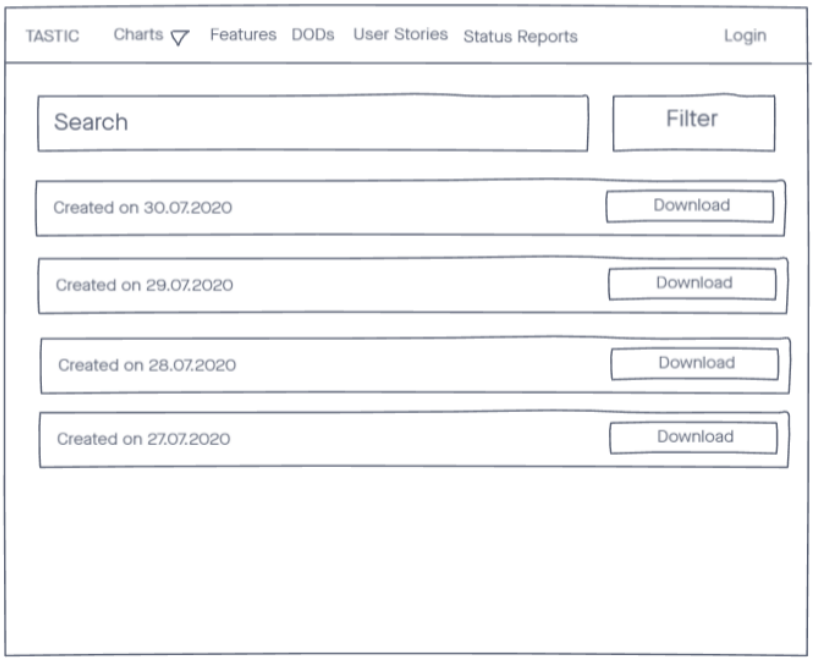
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

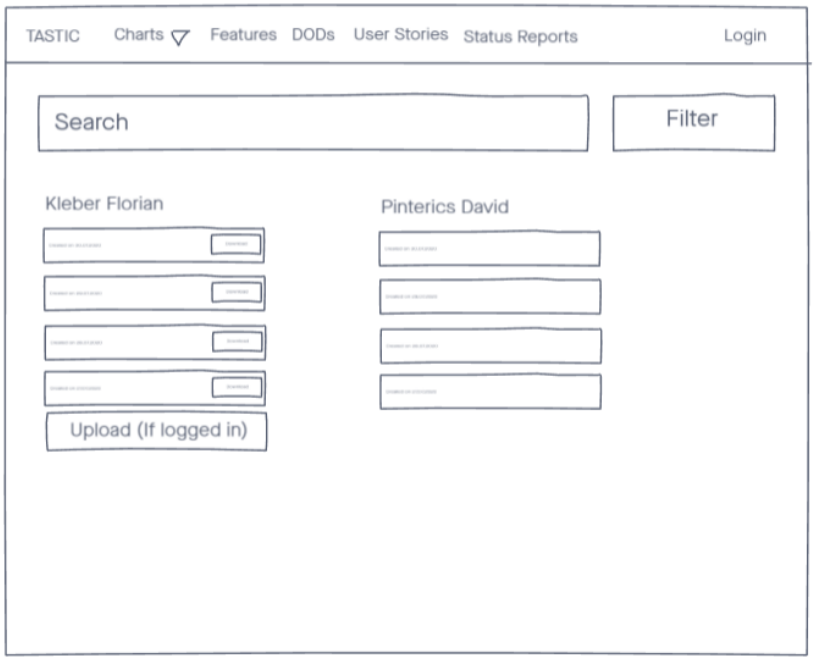
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

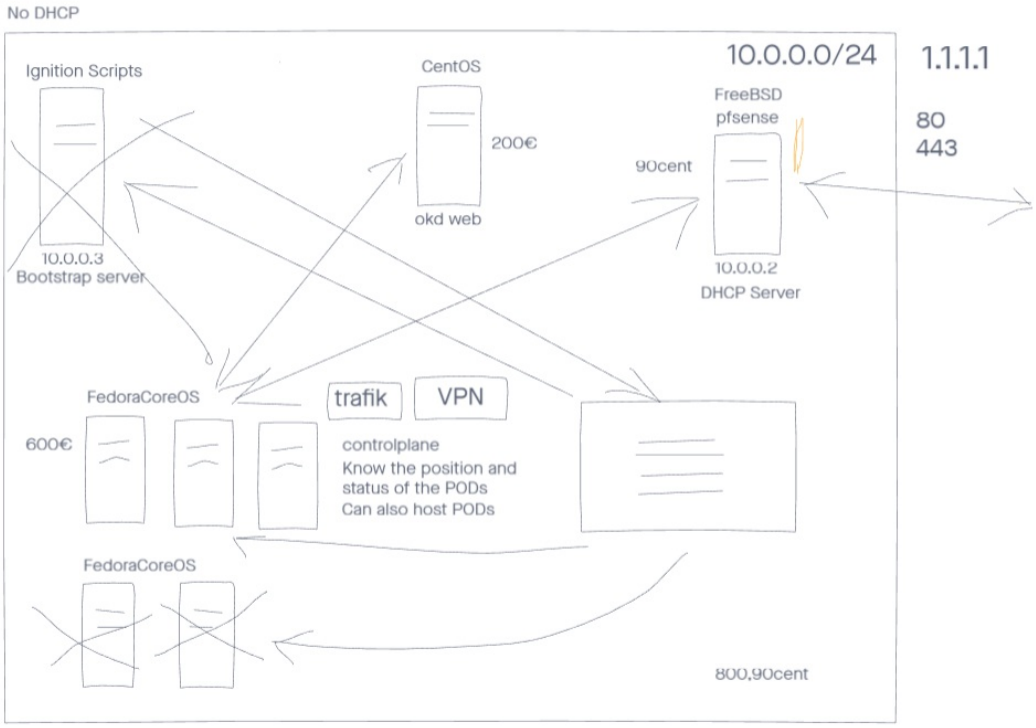
4 SNEK Admin Panel

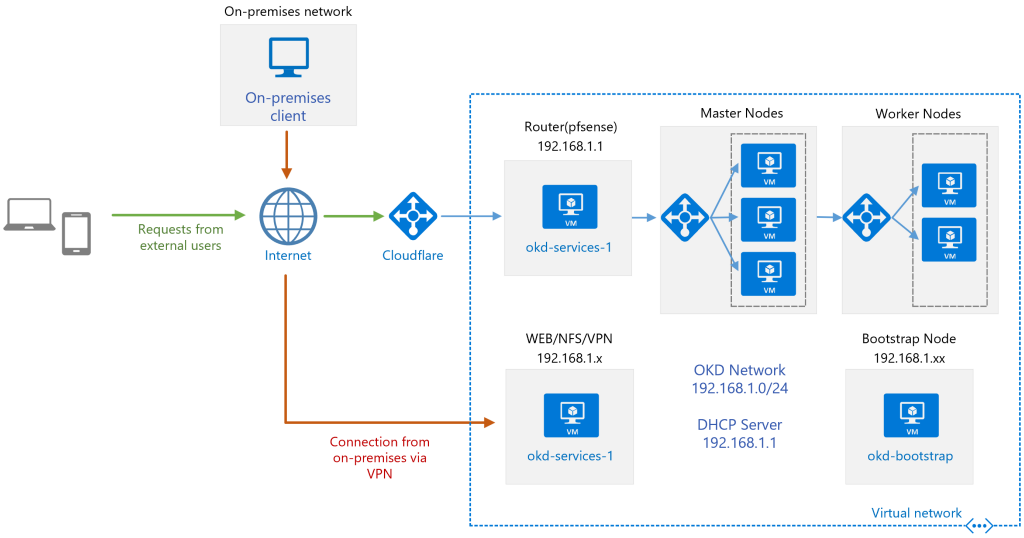
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

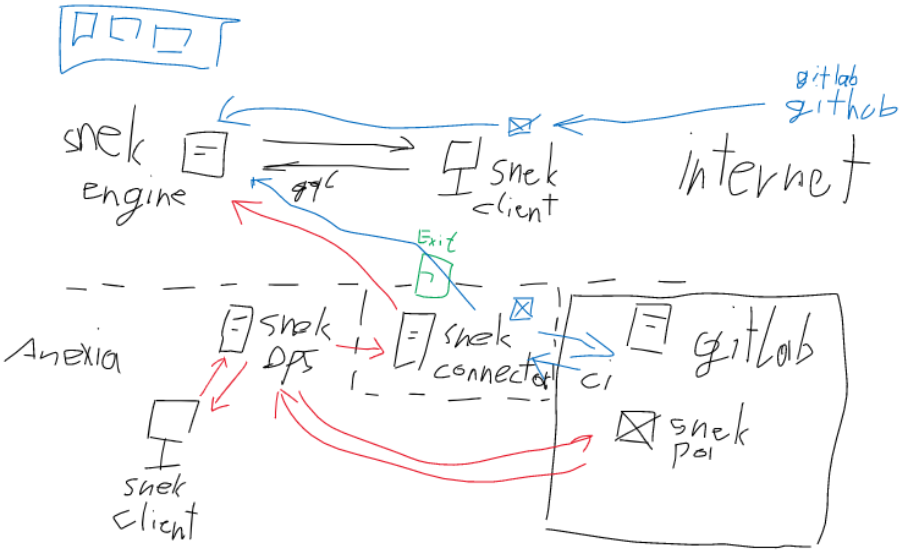
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

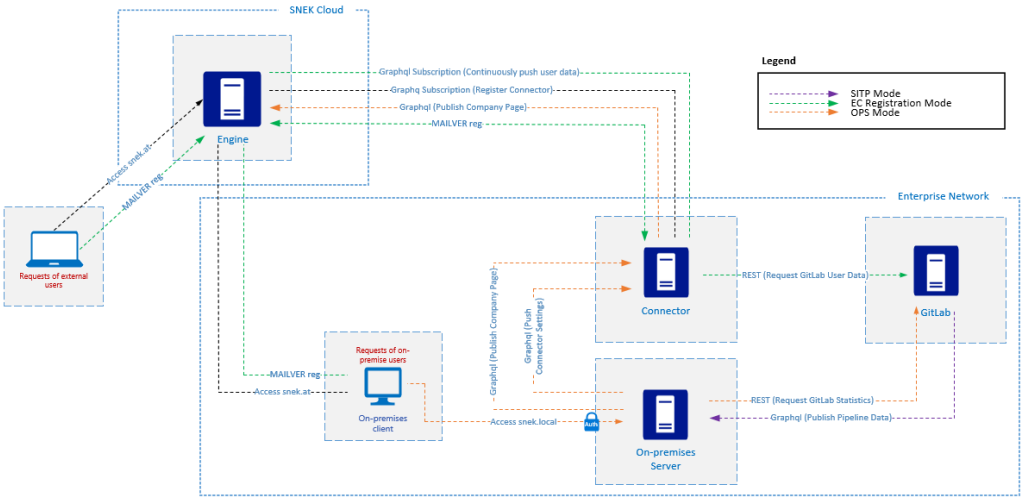
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

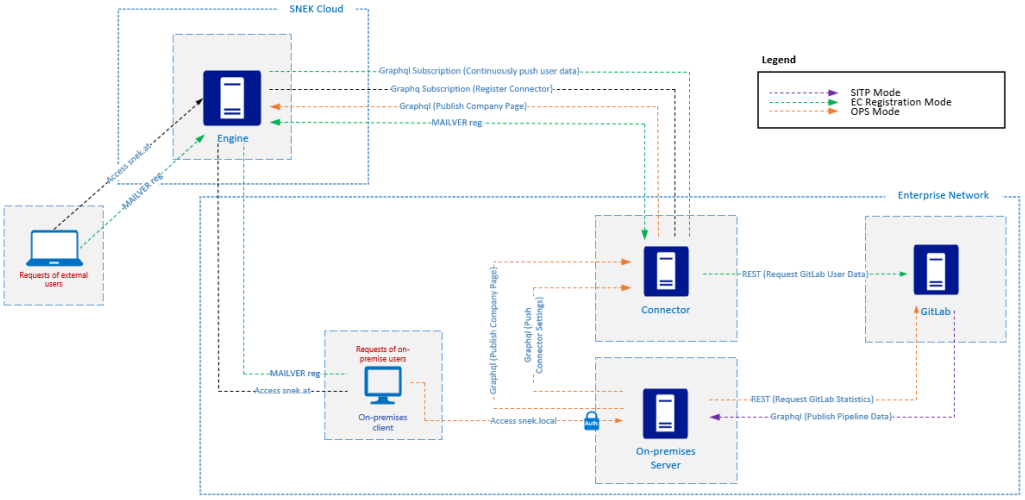
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

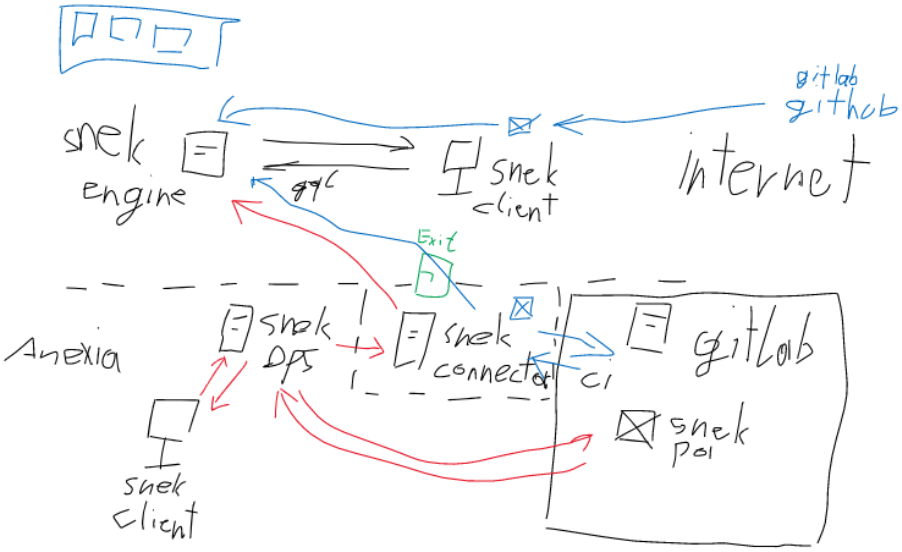
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

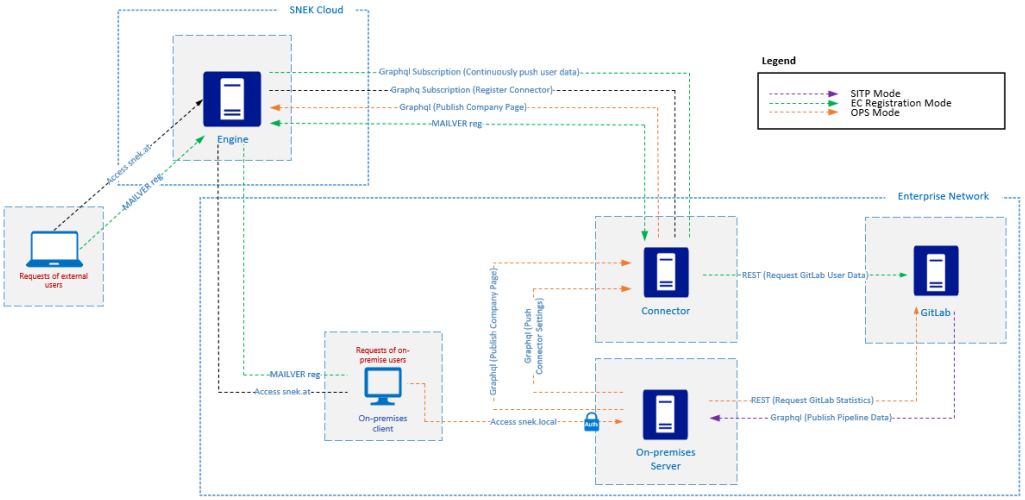
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

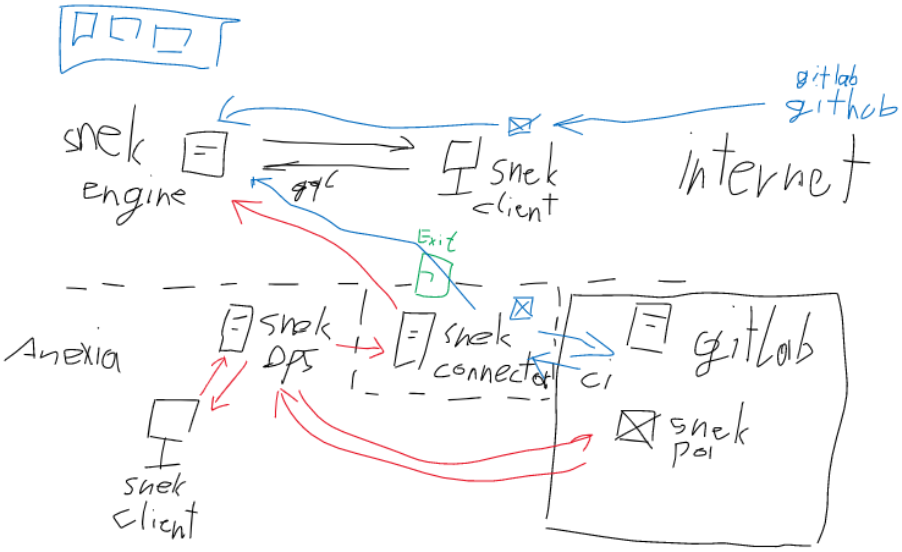
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

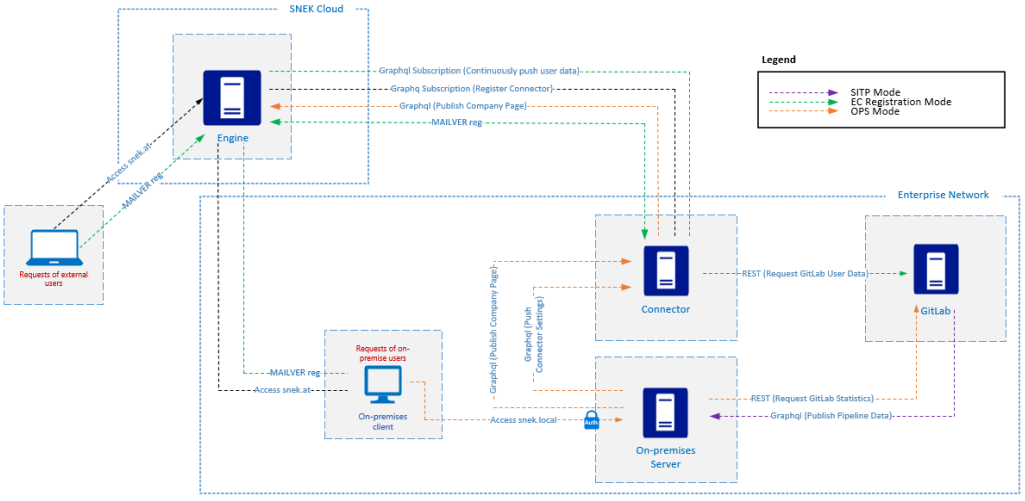
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

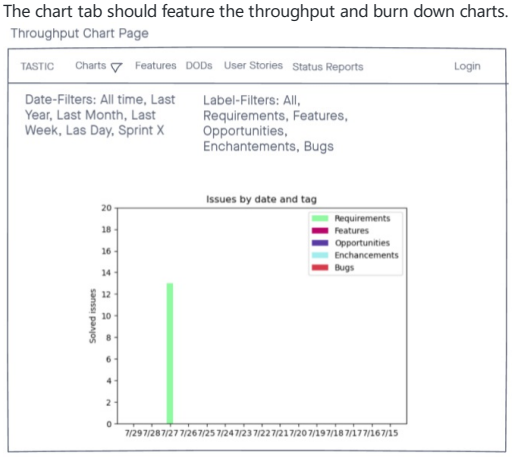
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

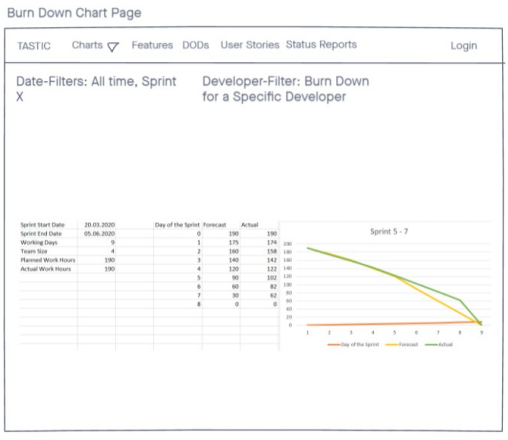
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

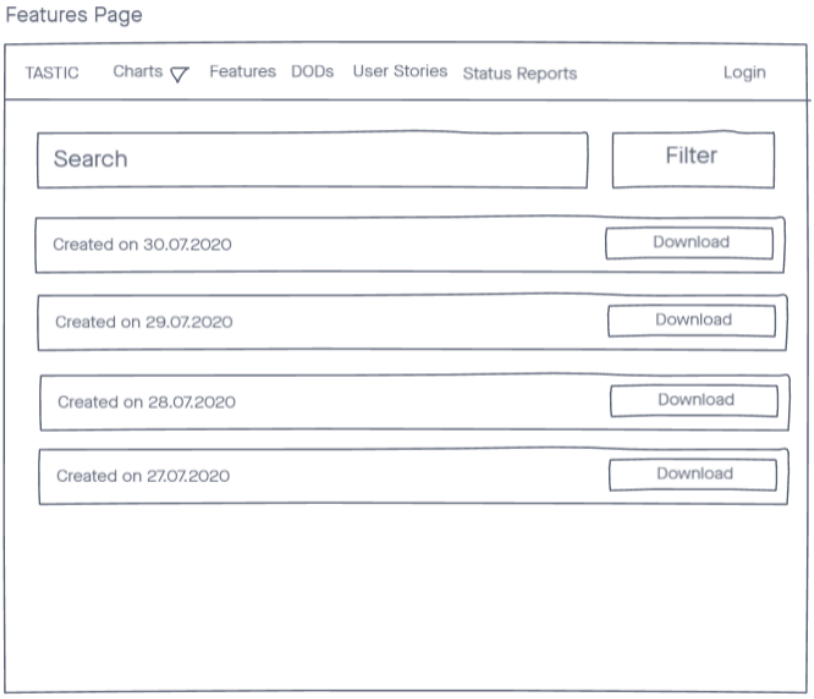
Charts Pages
The chart tab should feature the throughput and burn down charts.





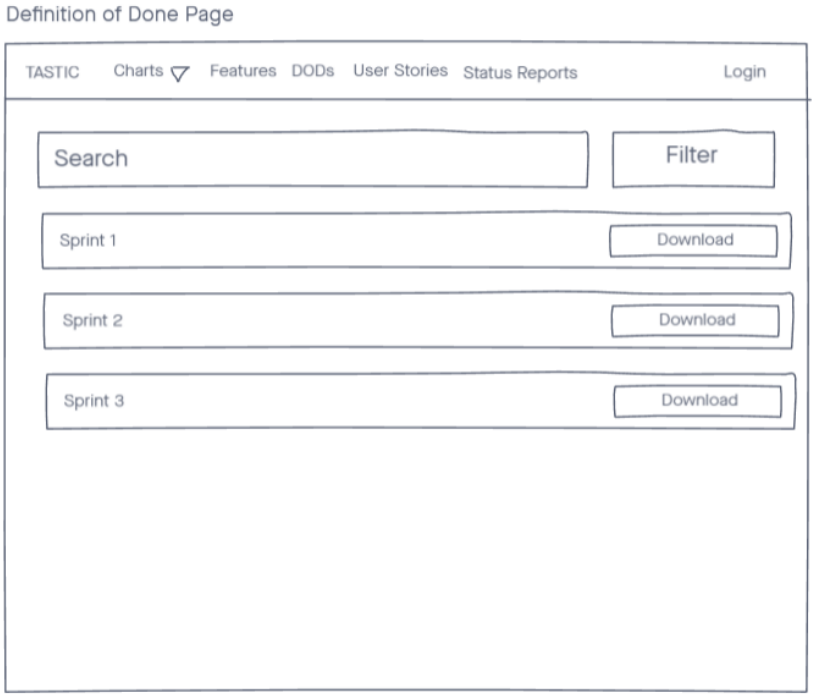
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

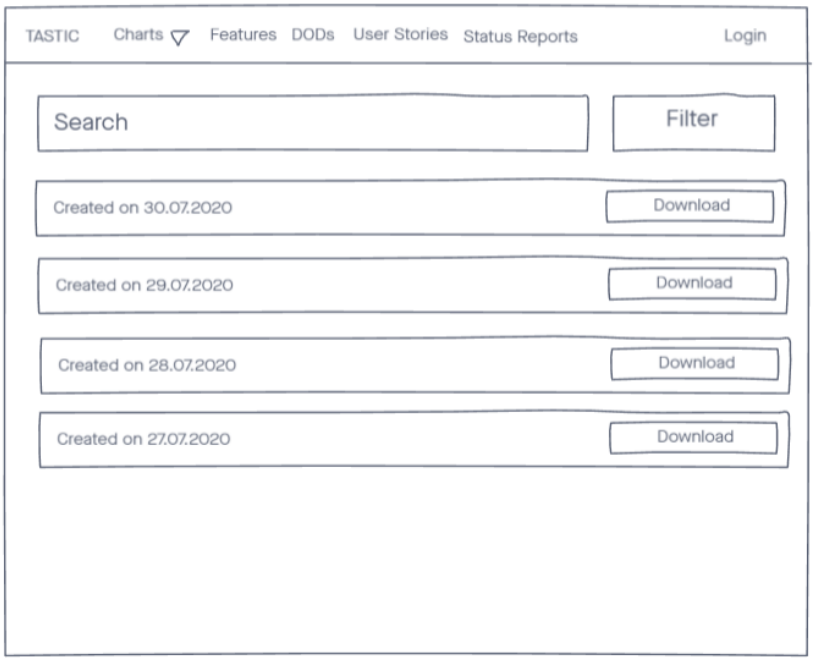
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

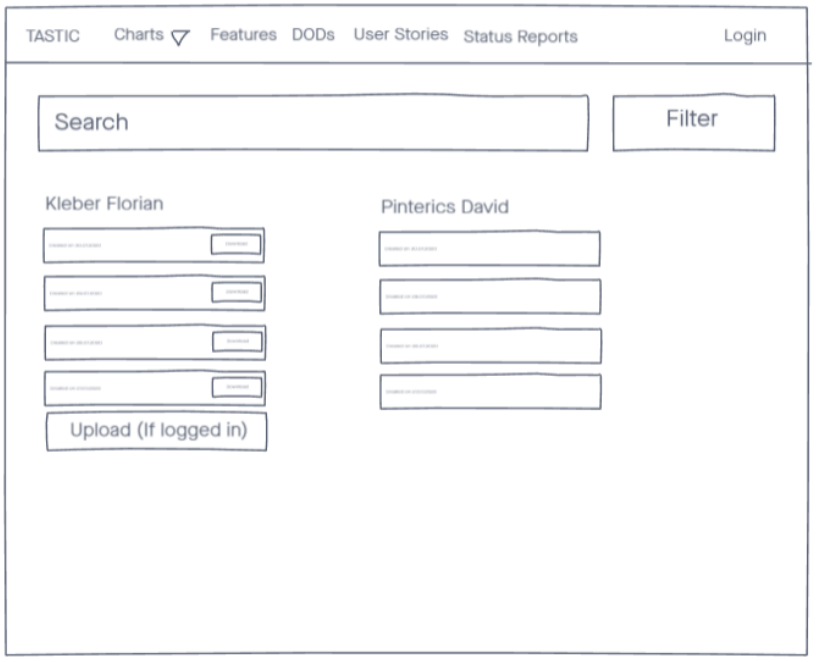
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

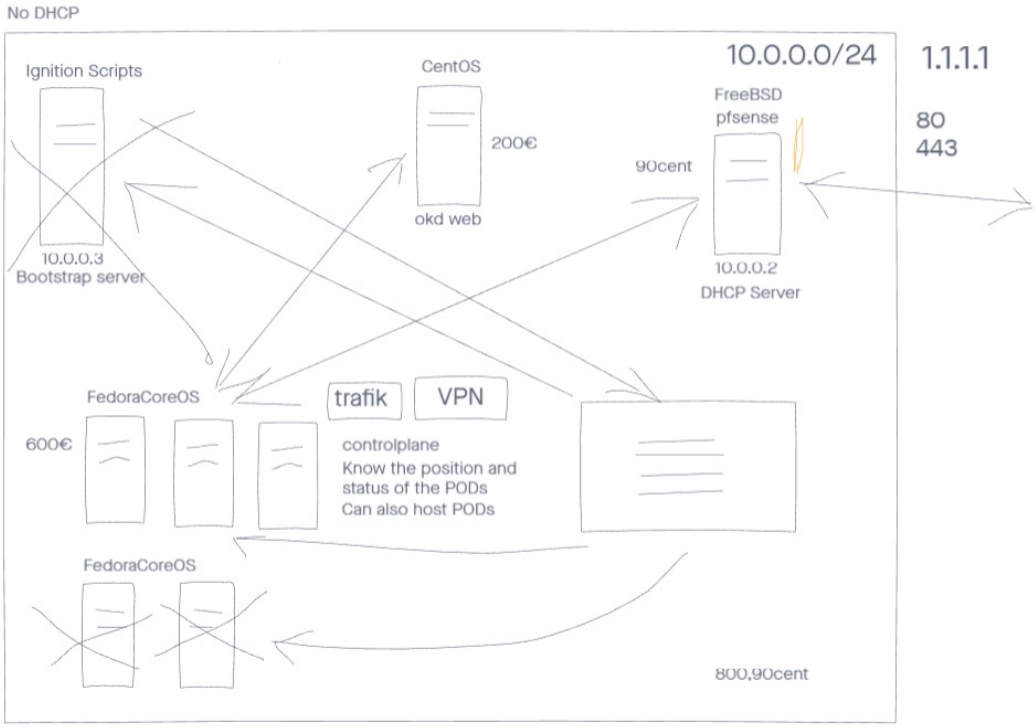
5 Company Page

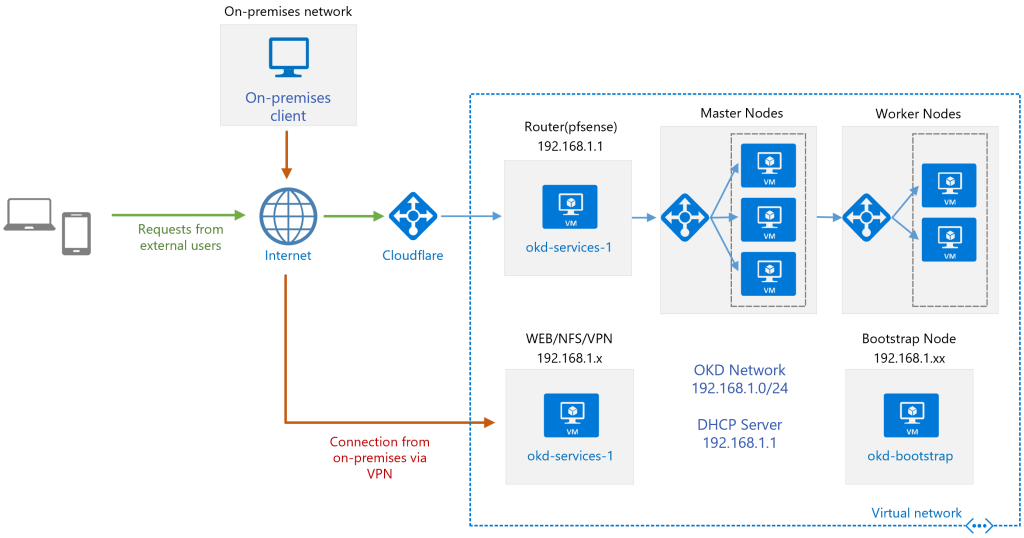
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

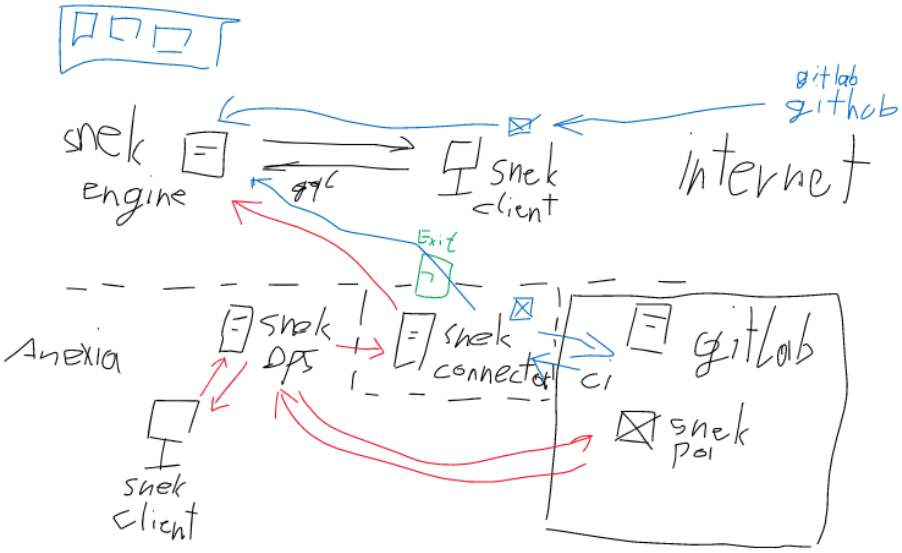
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

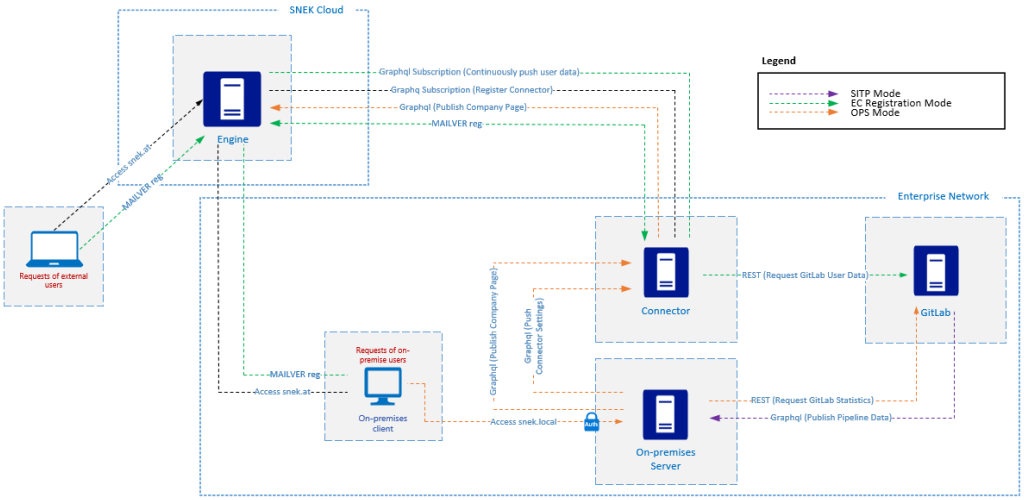
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

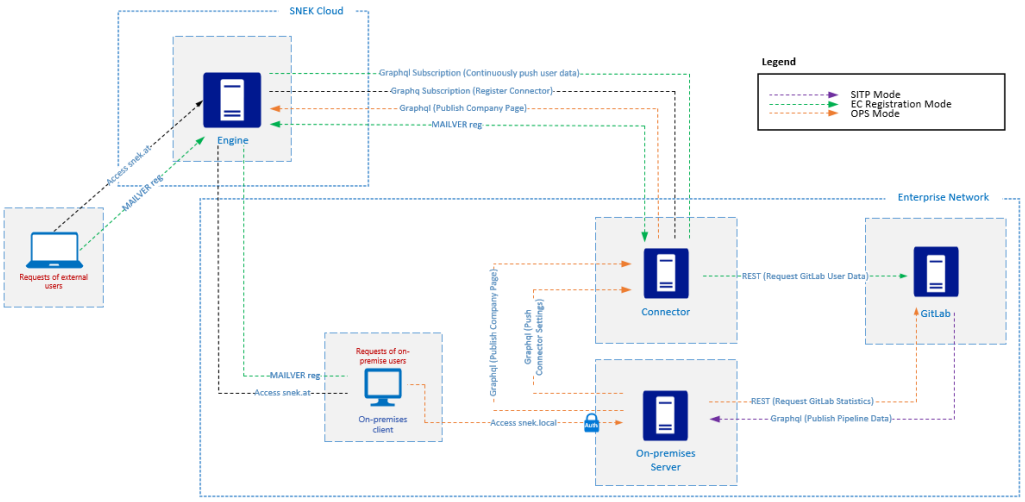
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

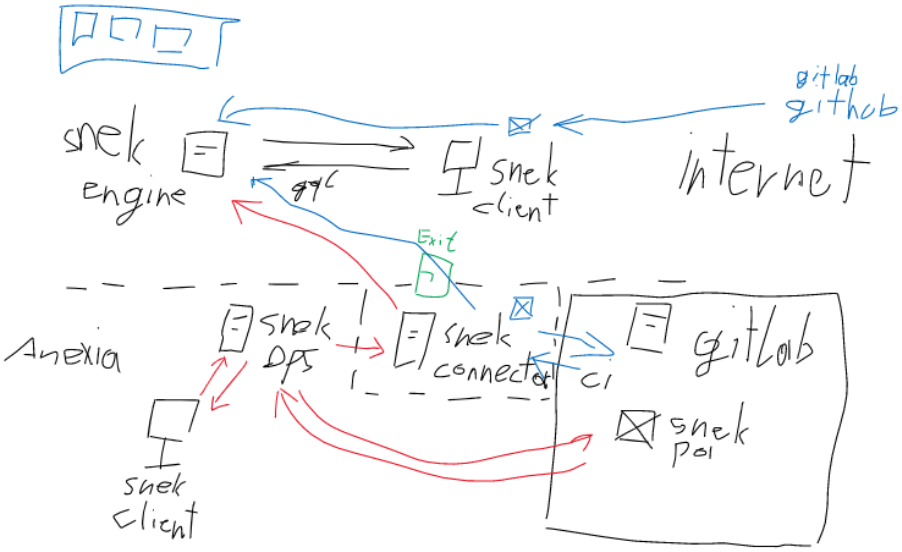
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

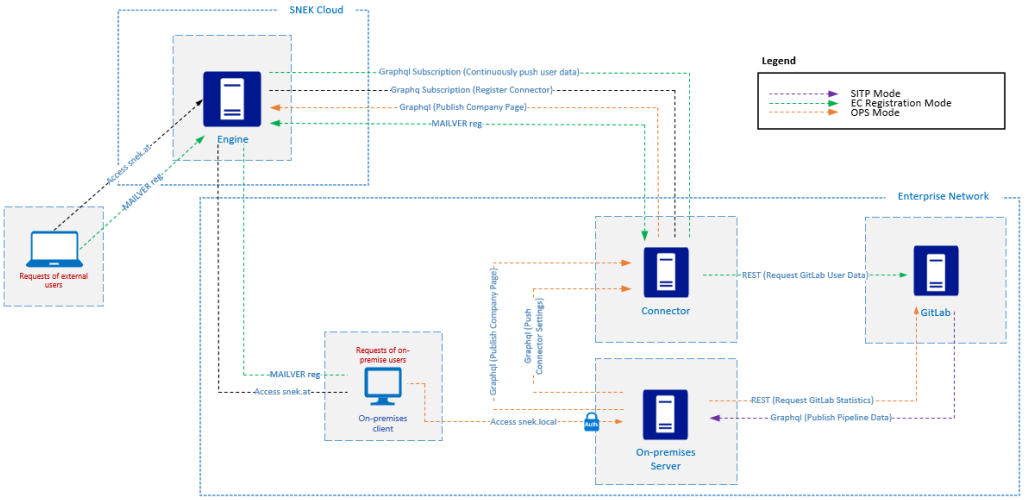
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

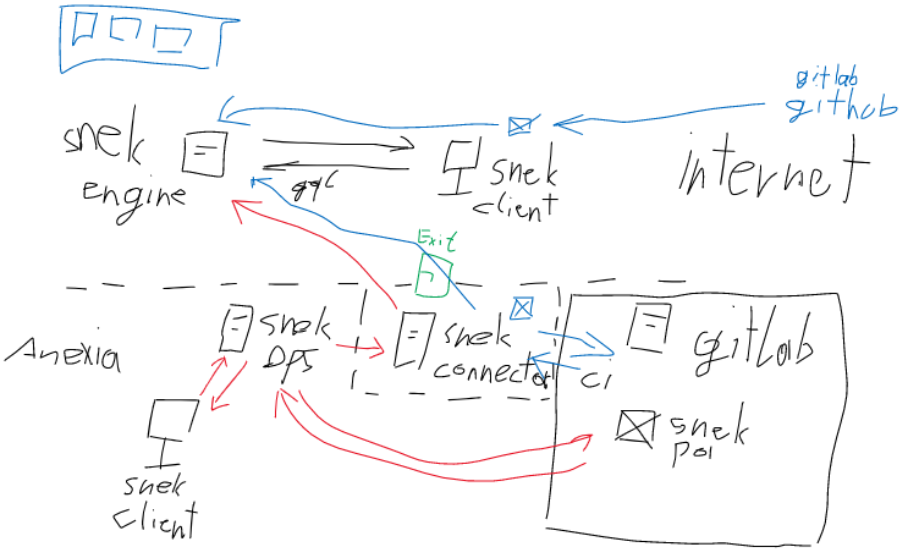
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

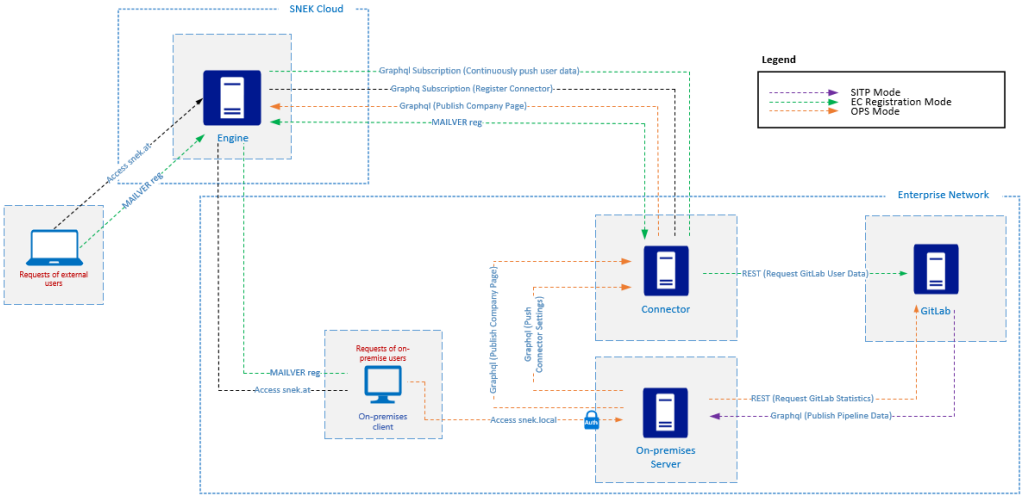
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

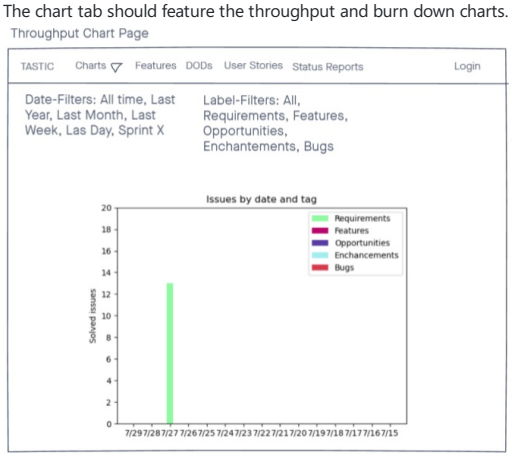
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

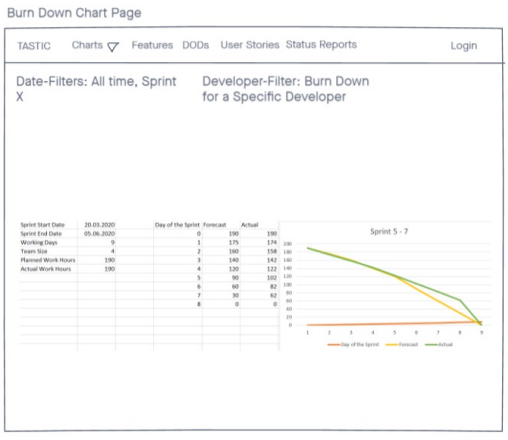
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

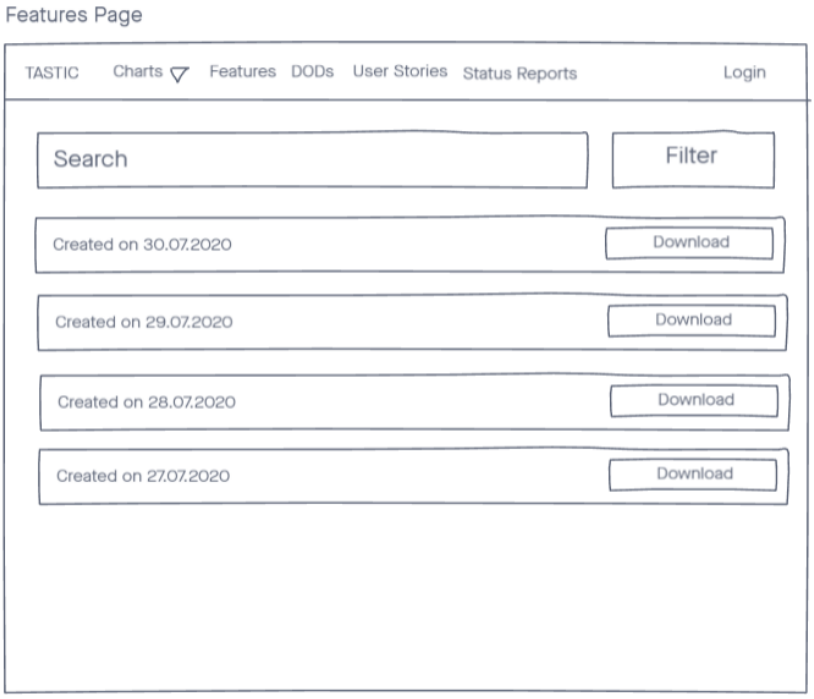
Charts Pages
The chart tab should feature the throughput and burn down charts.





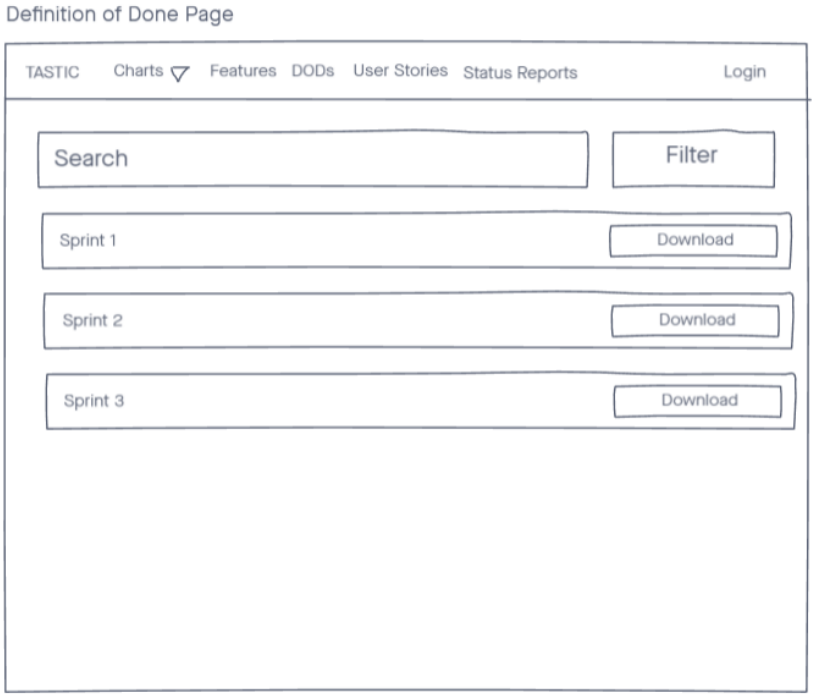
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

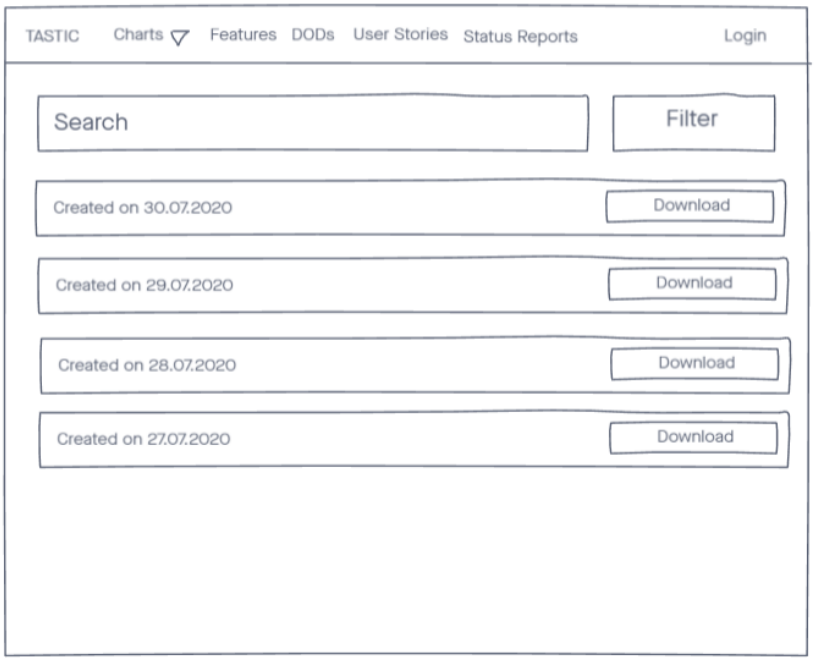
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

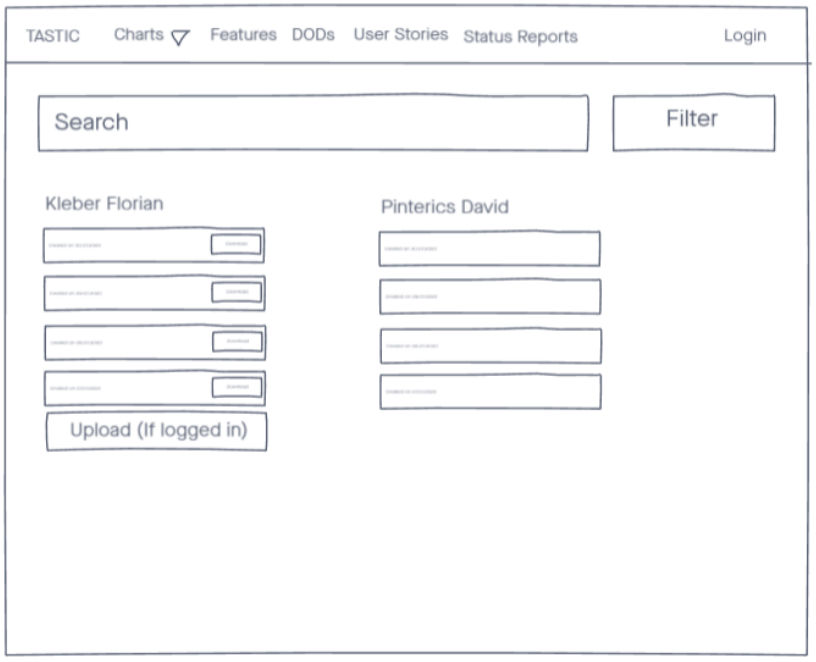
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

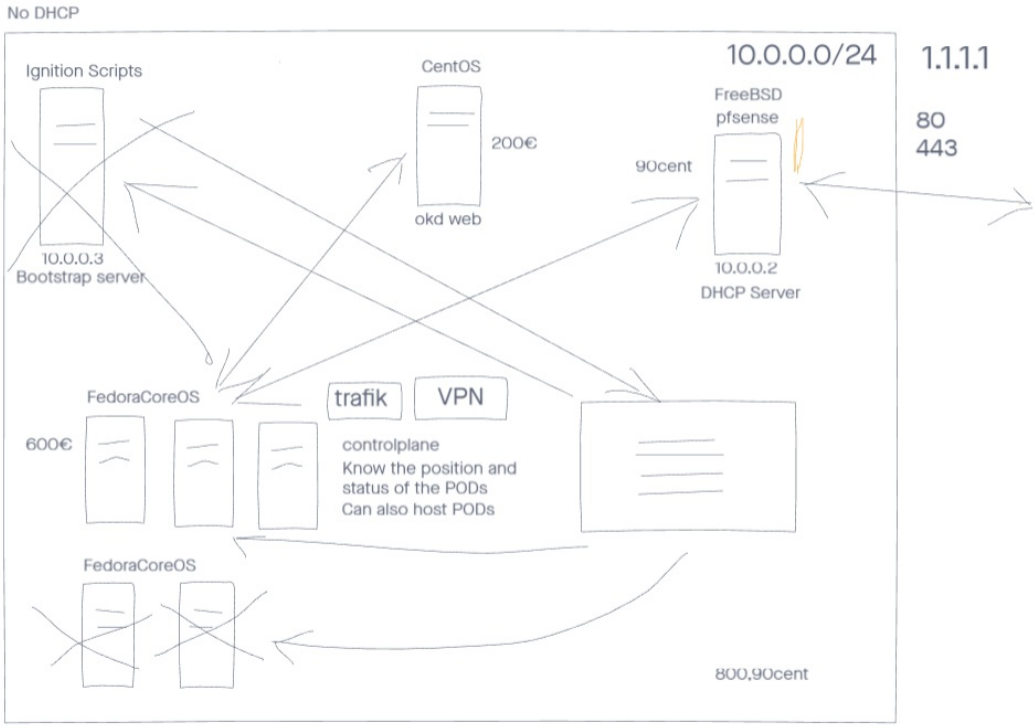
6 Resume Component

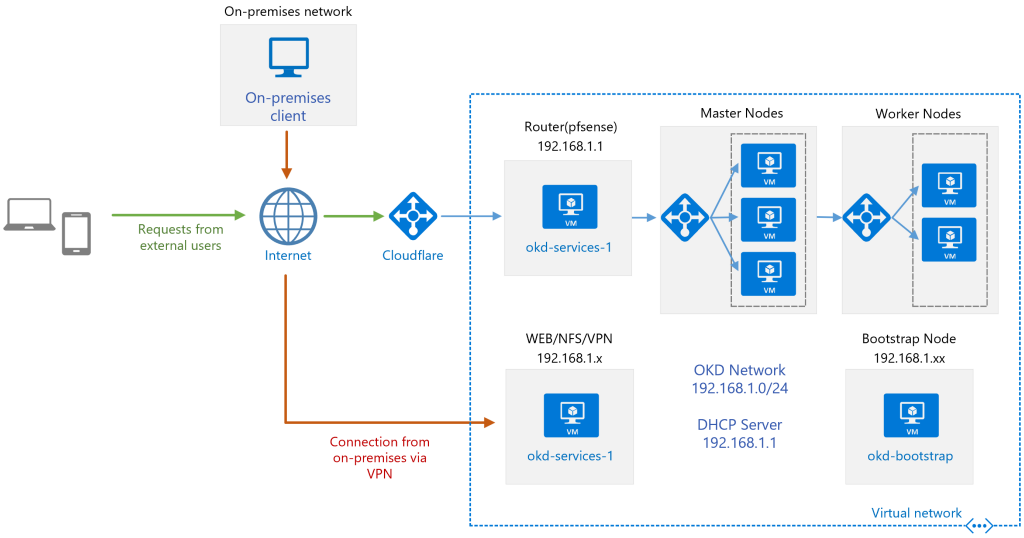
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

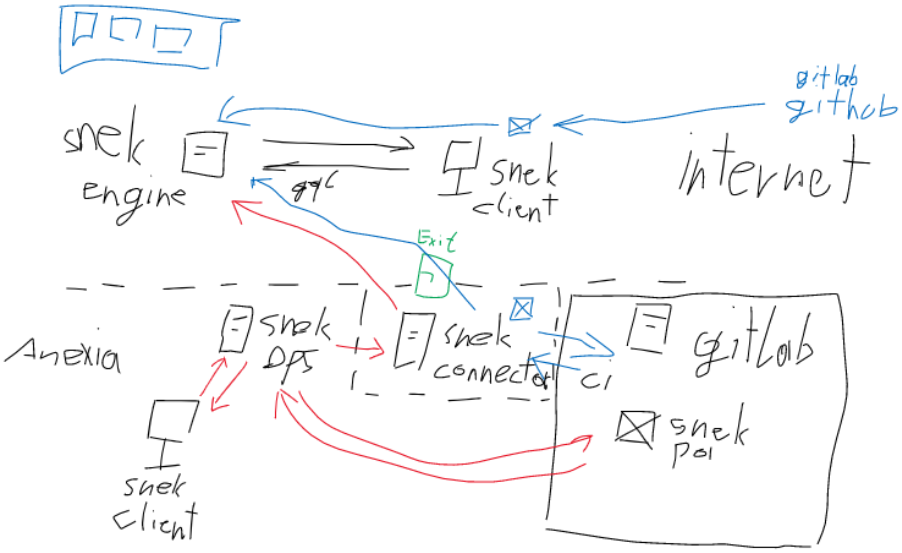
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

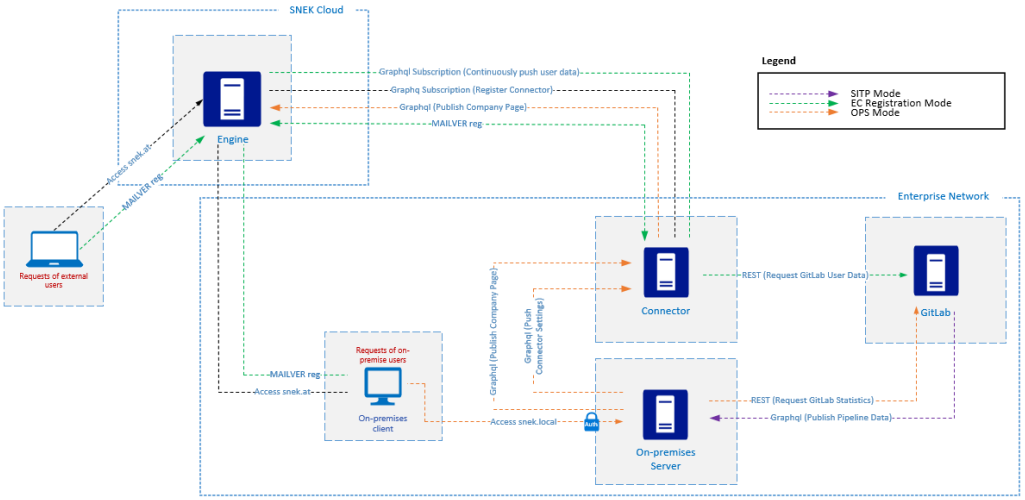
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

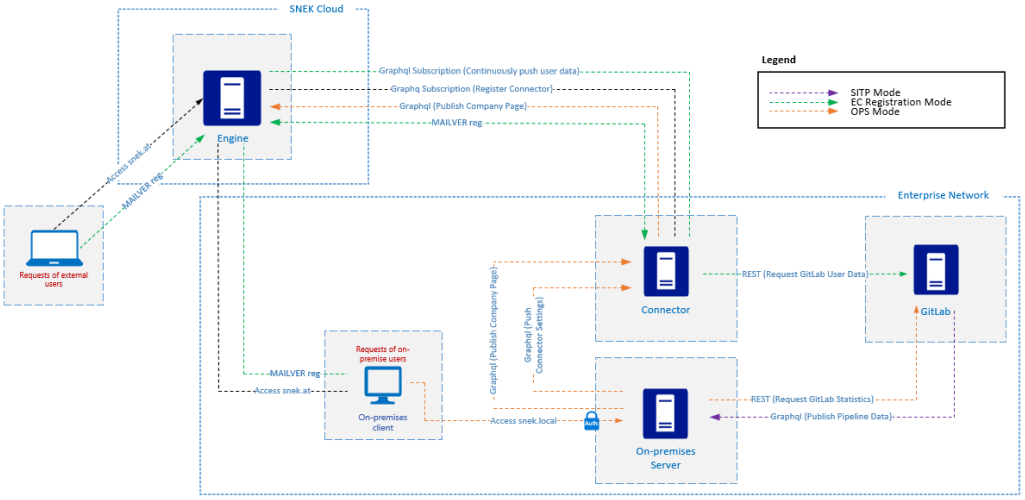
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

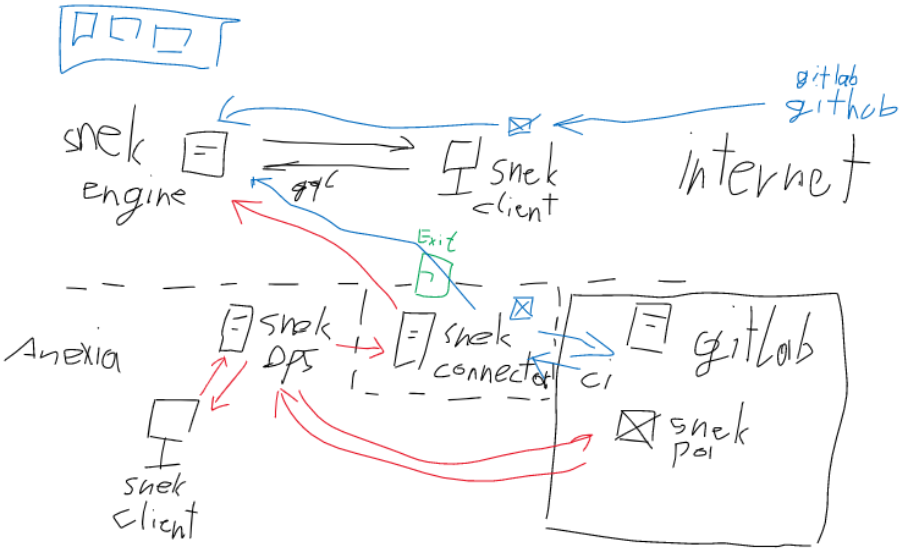
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

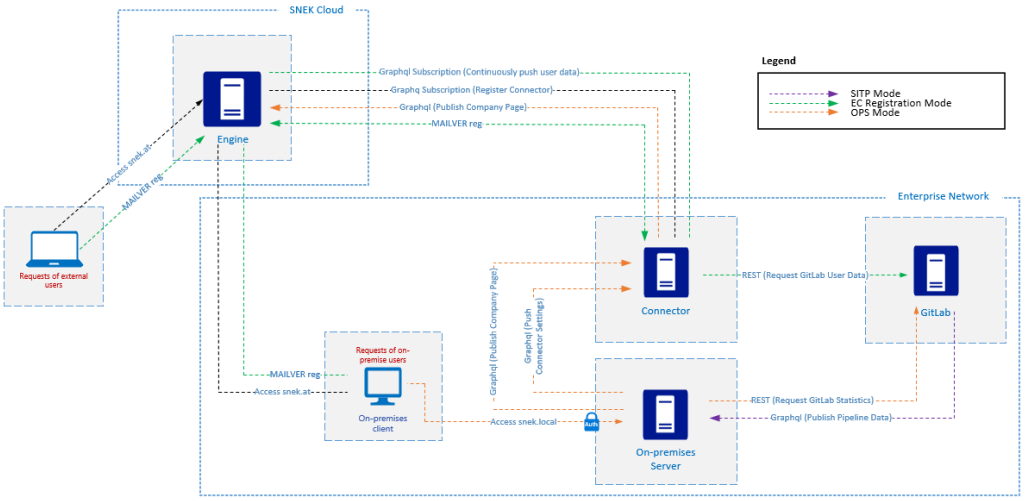
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

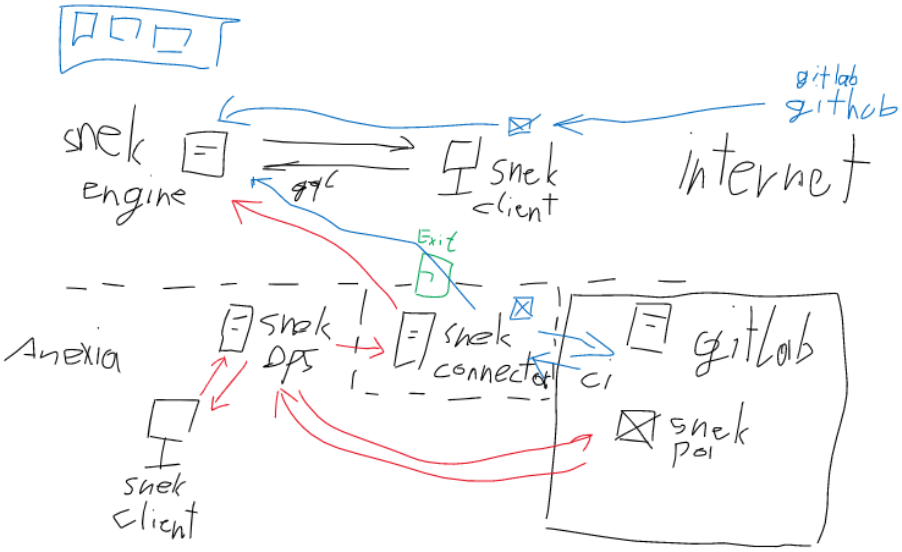
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

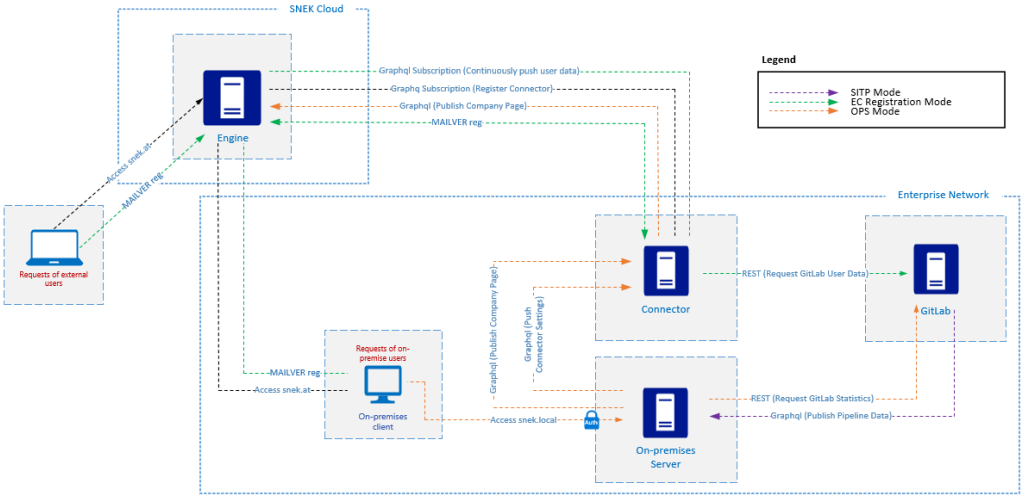
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

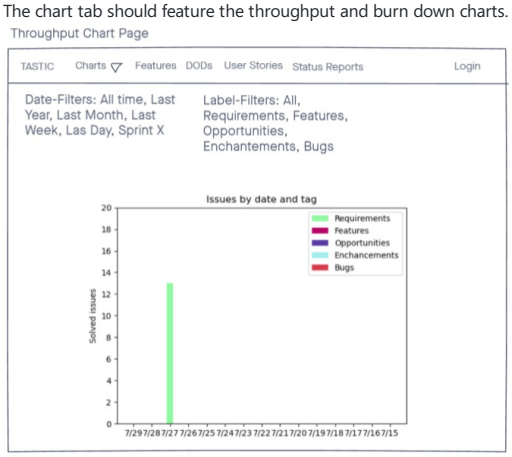
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

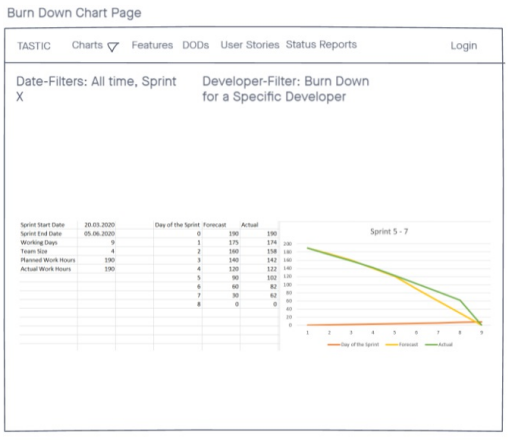
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

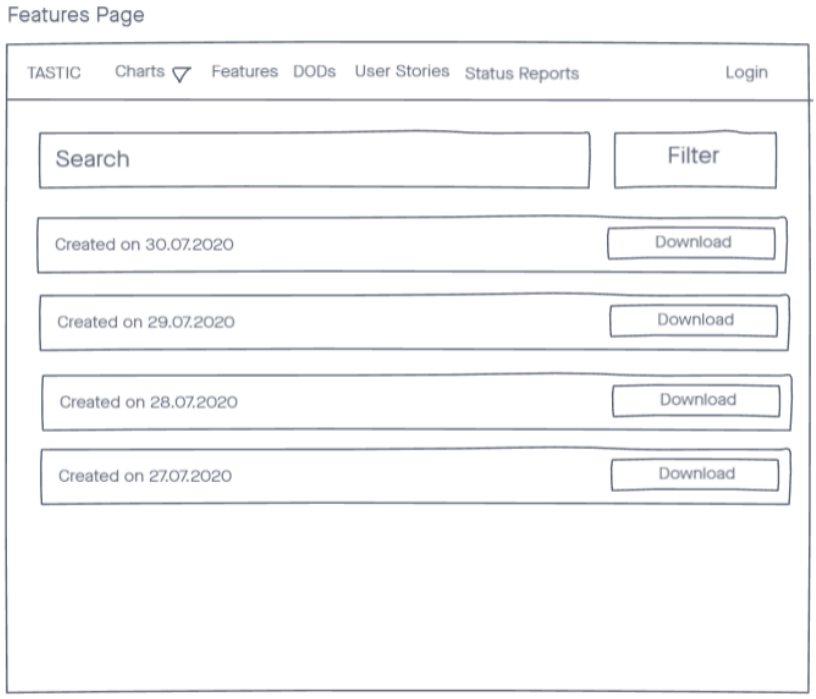
Charts Pages
The chart tab should feature the throughput and burn down charts.





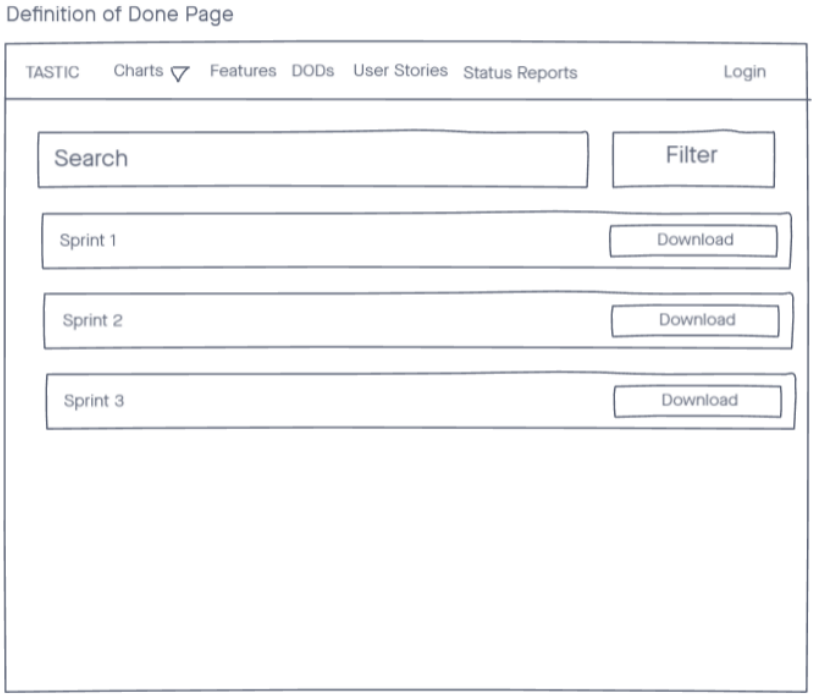
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

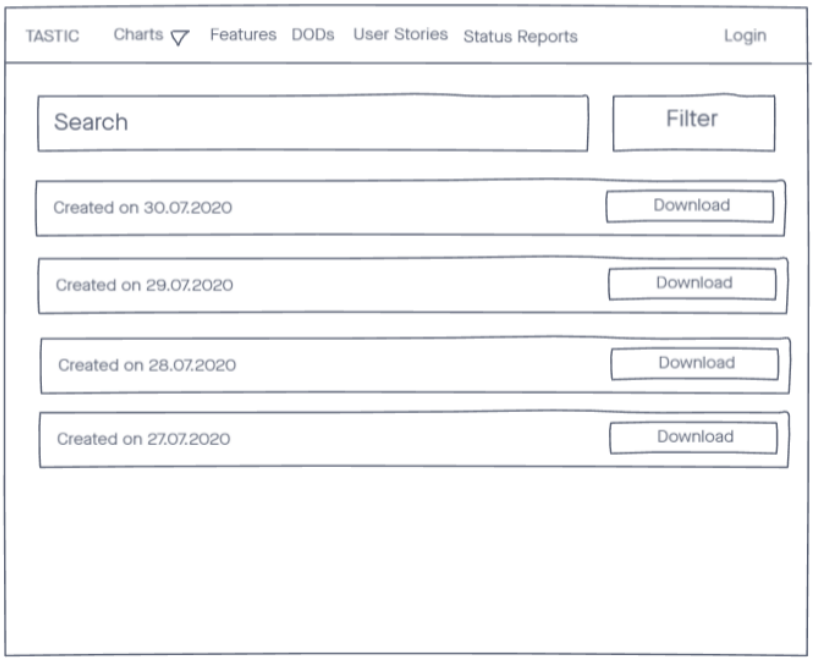
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

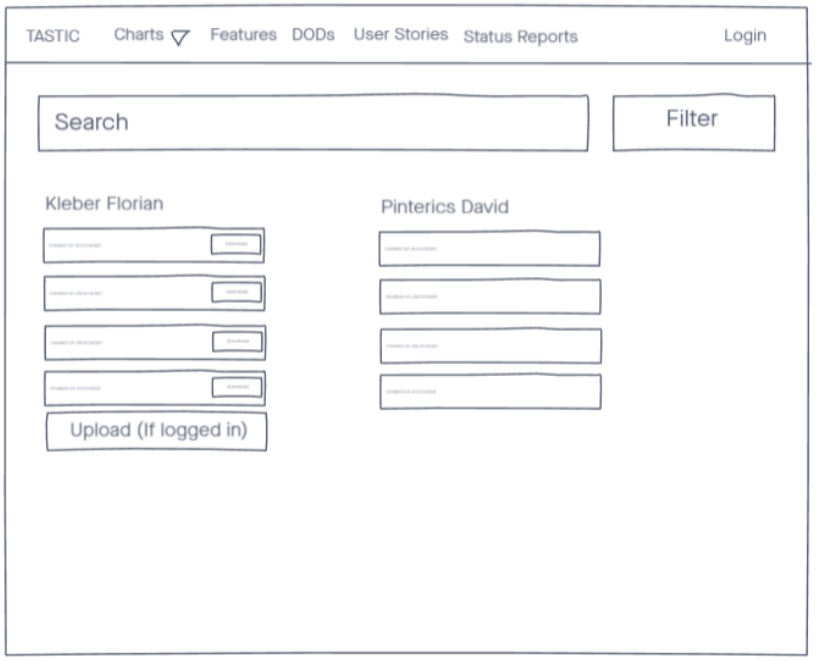
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

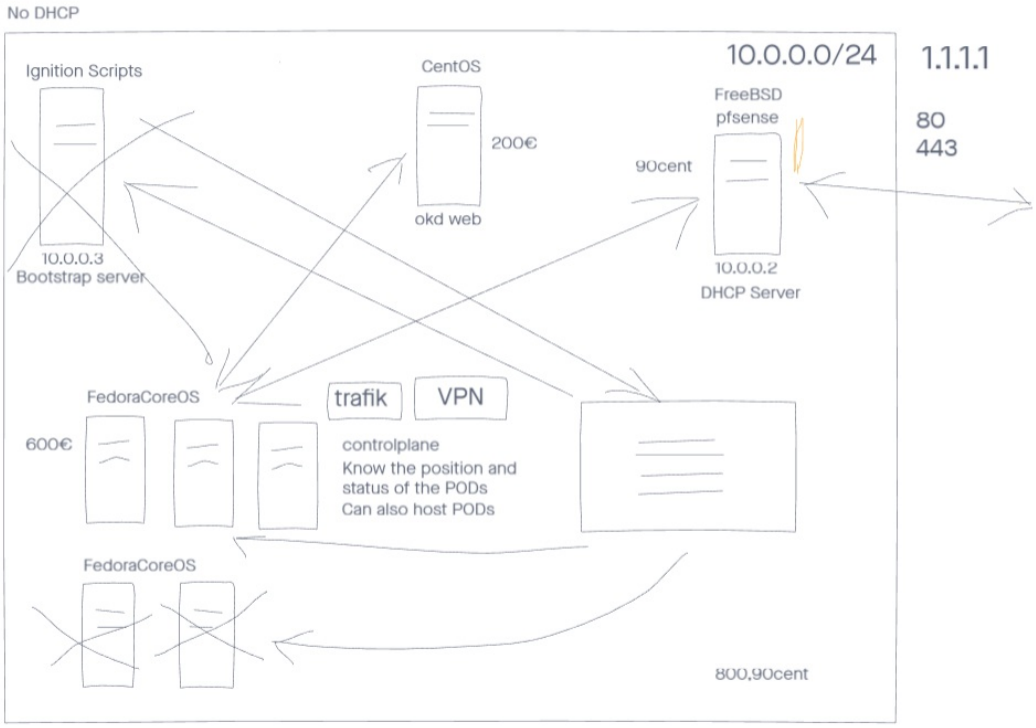
7 Media Engineer Page

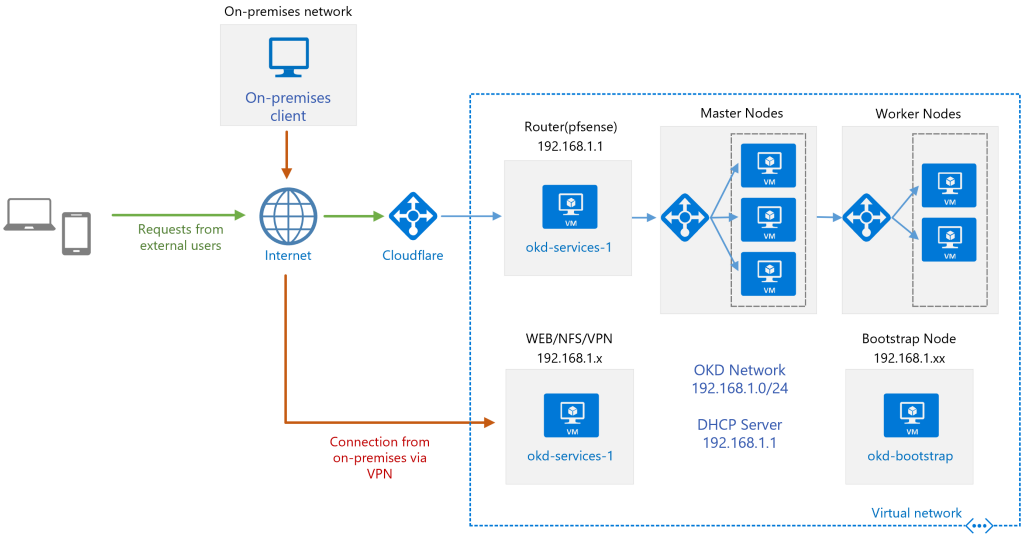
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

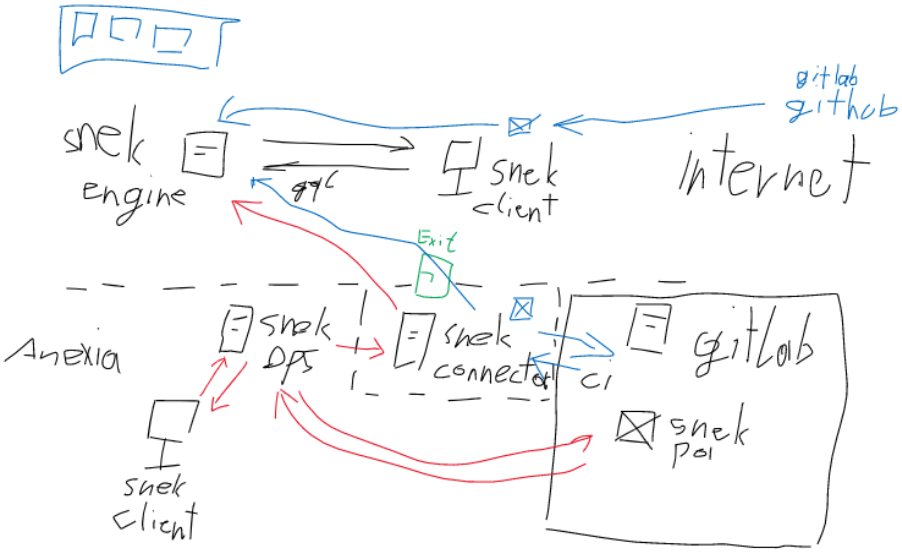
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

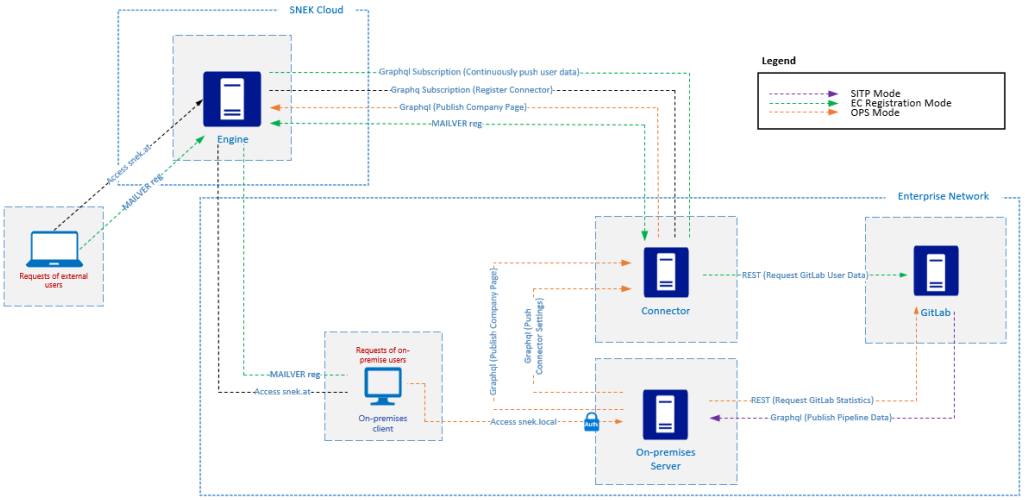
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

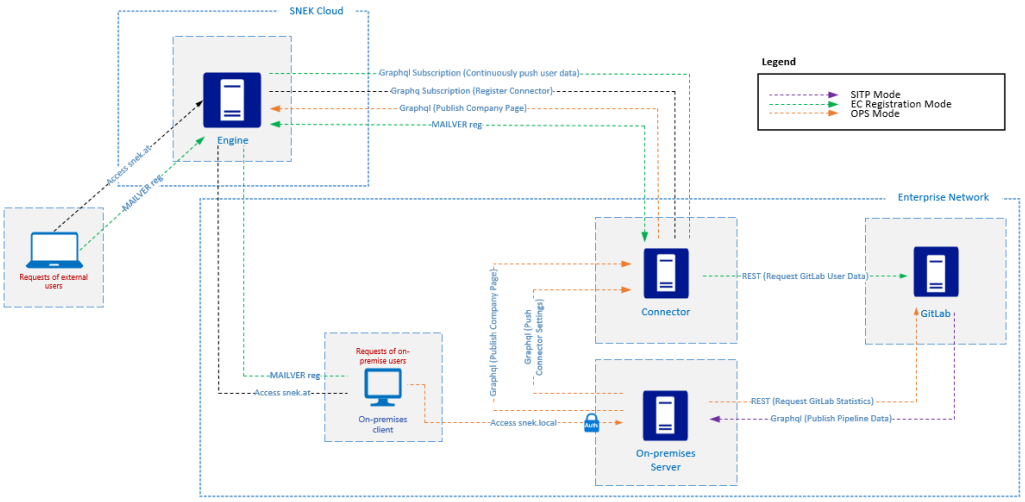
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

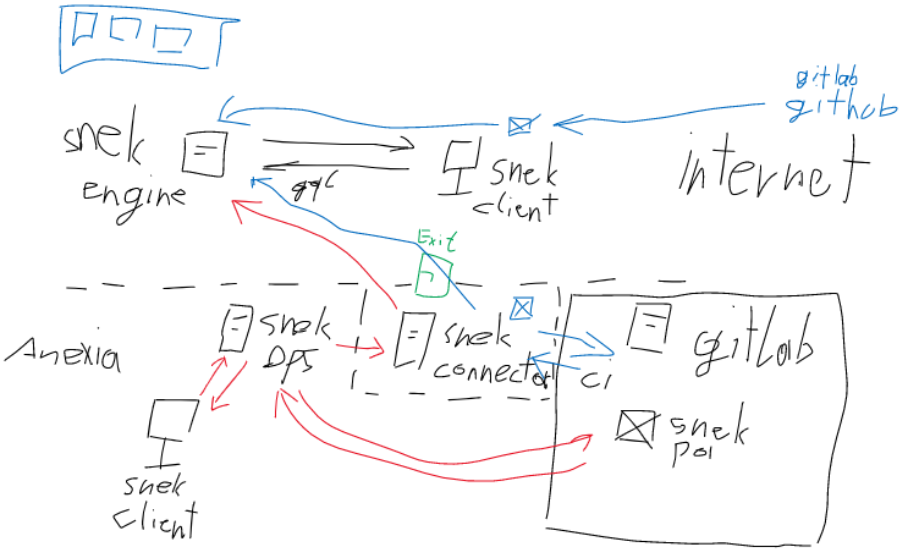
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

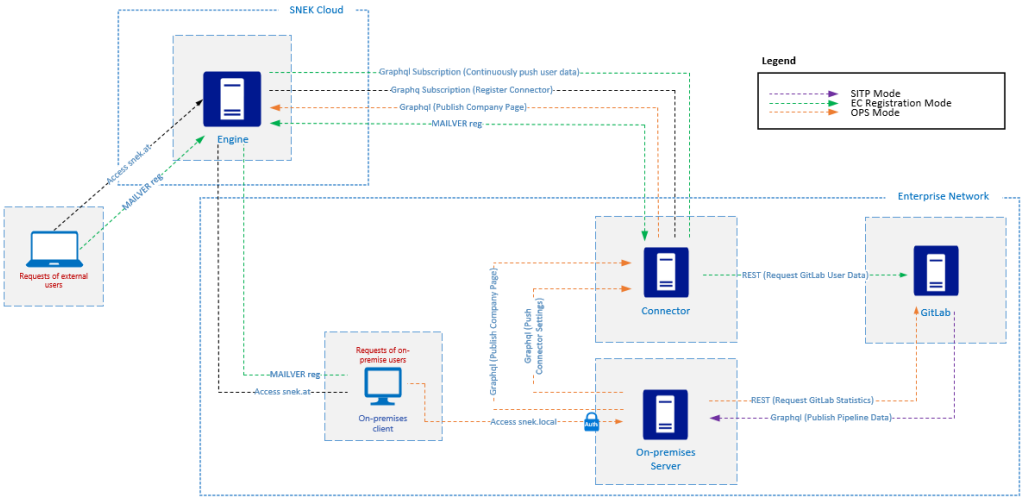
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

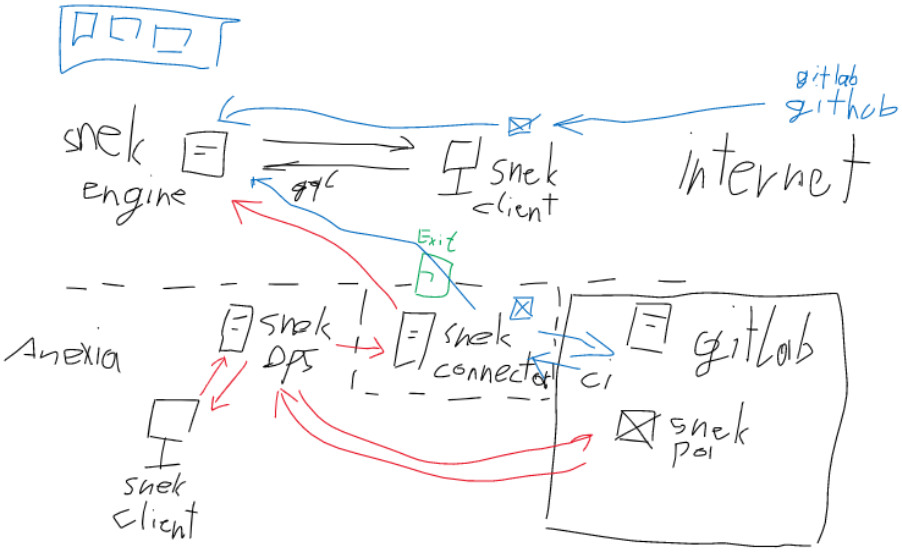
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

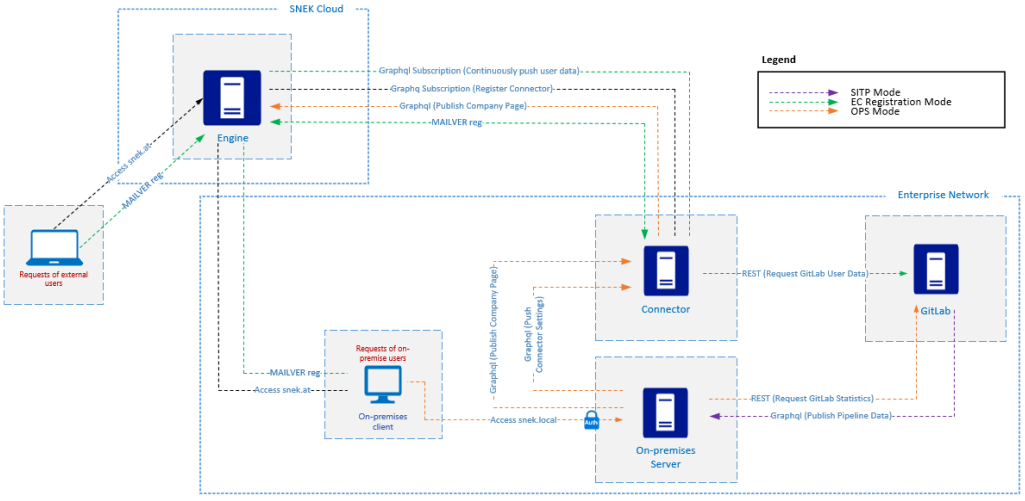
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

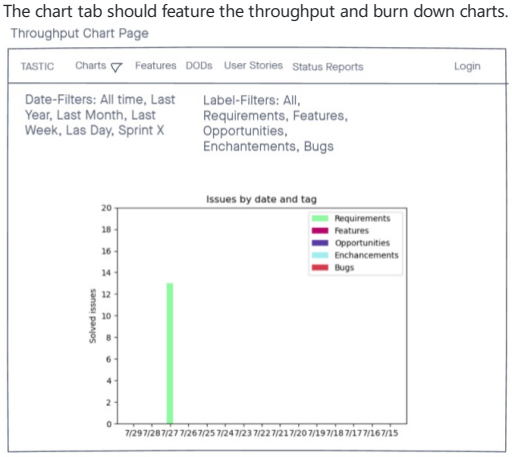
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

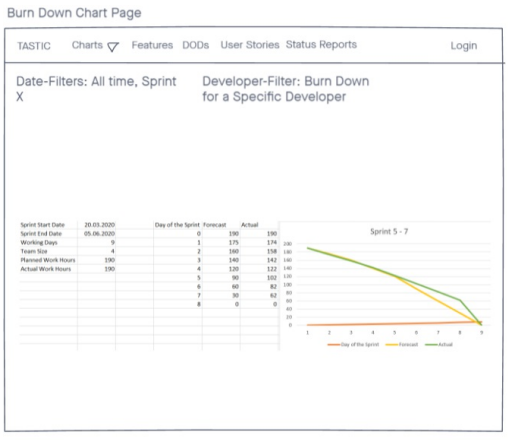
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

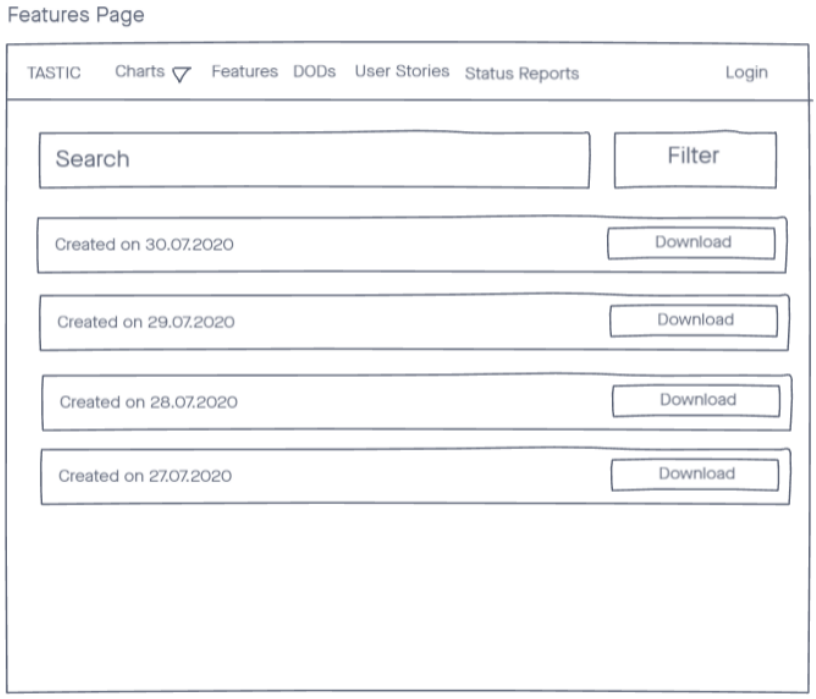
Charts Pages
The chart tab should feature the throughput and burn down charts.





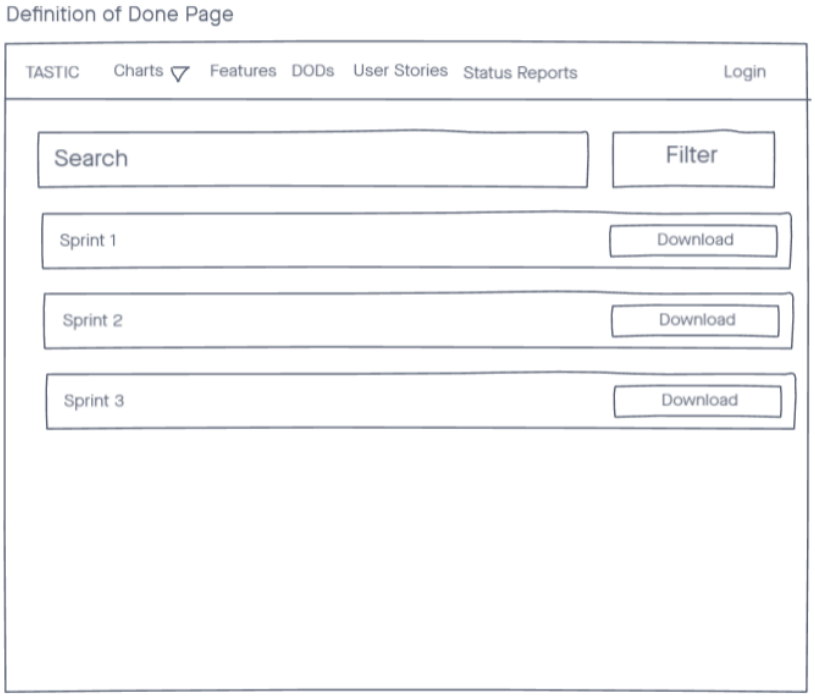
Features Page

The feature page should provide download link to PDF created by #1.



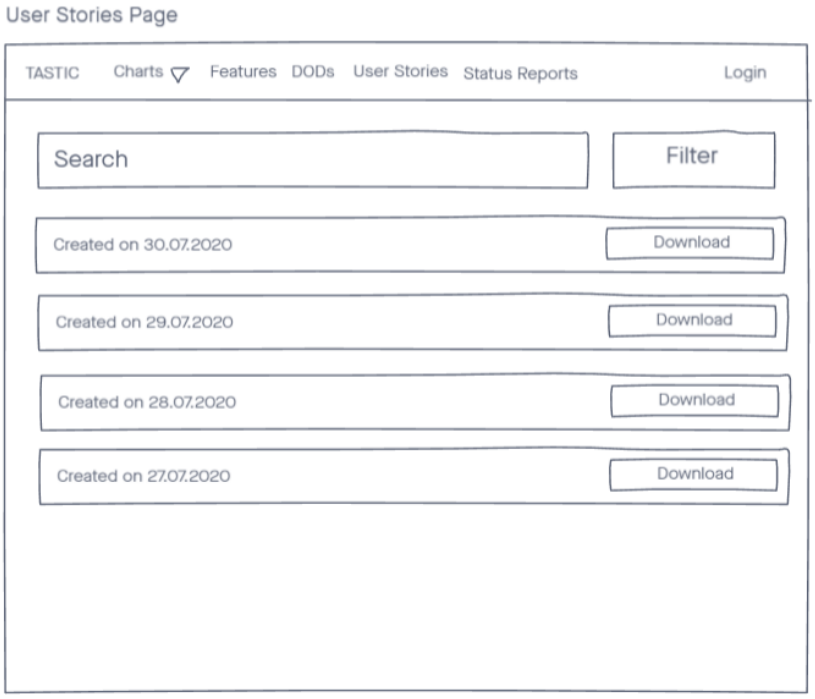
Definition of Done Page

The definition of done page should provide download link to PDF created by #1.



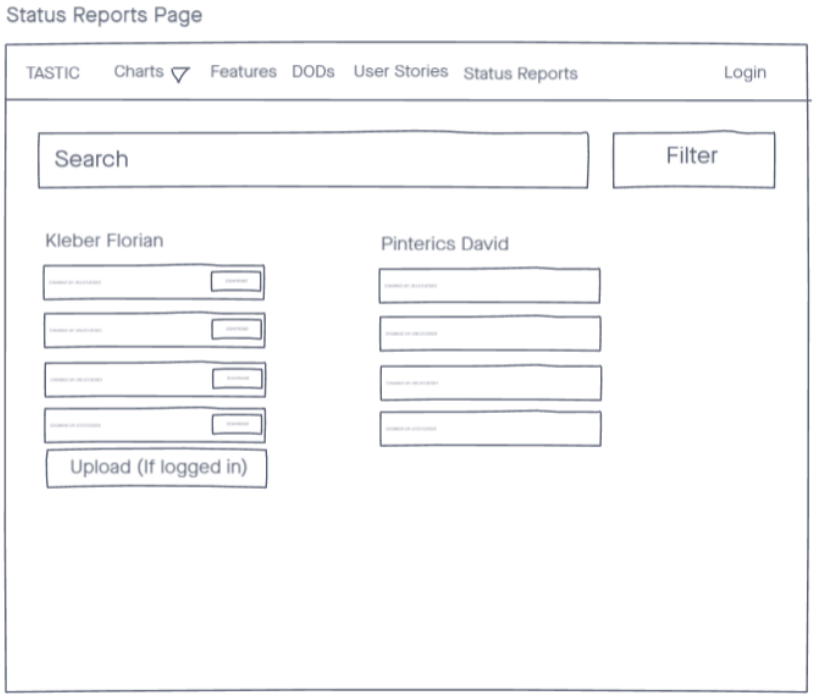
User Stories Page

The user stories page should provide download link to PDF created by #1.



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

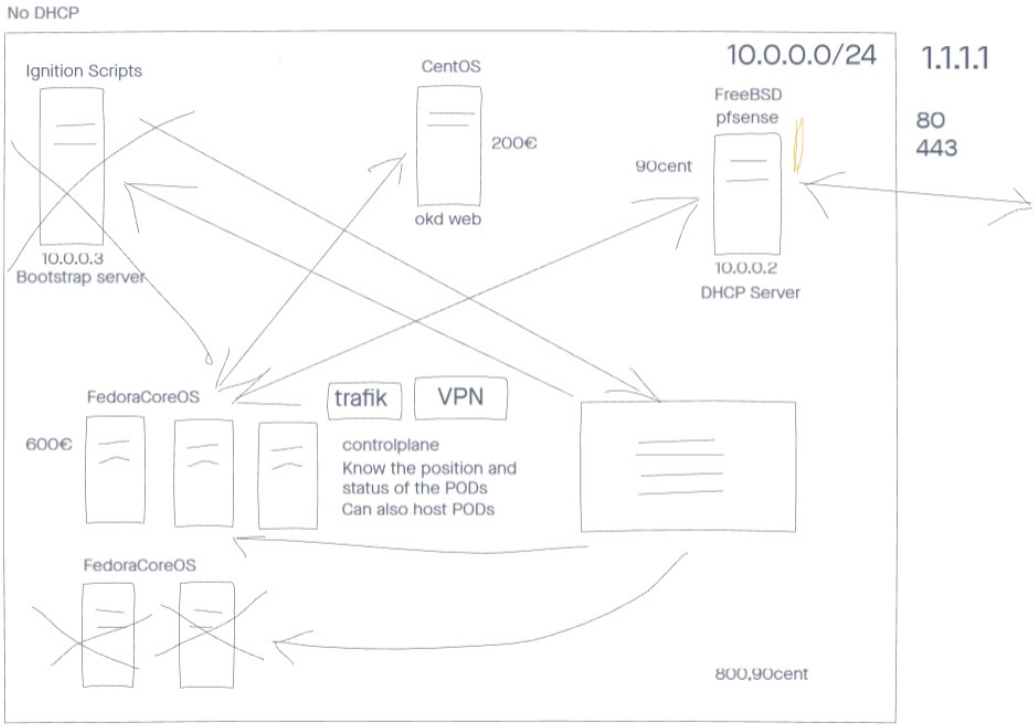
8 Follow Functionality

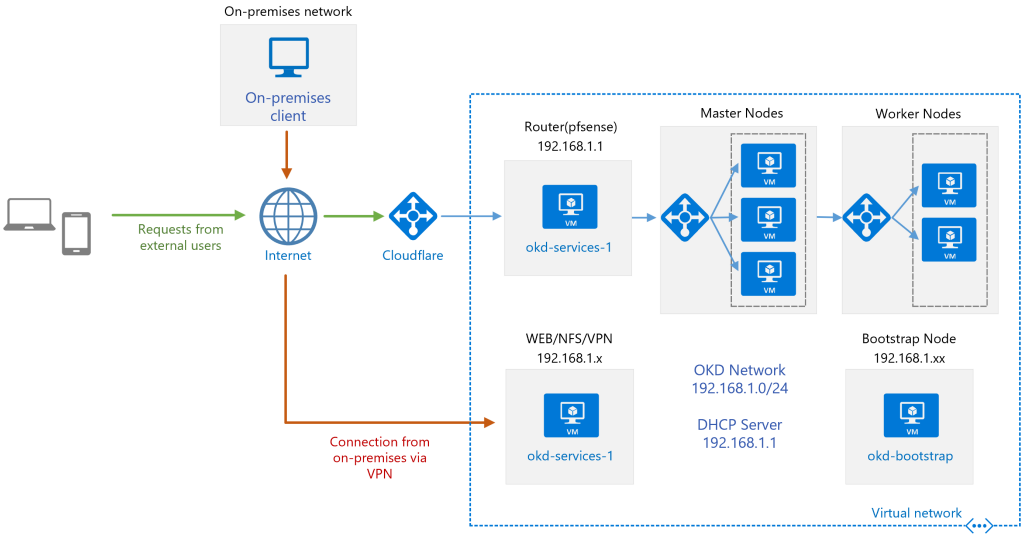
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

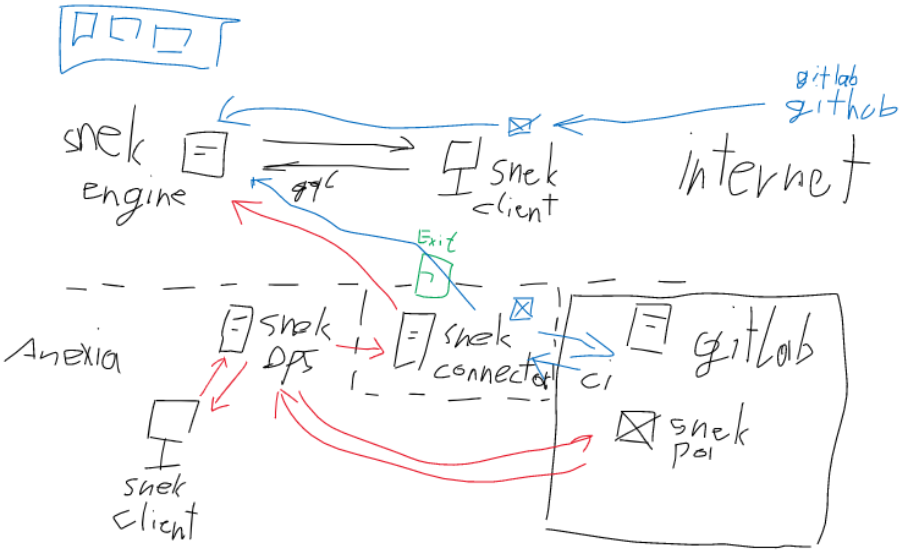
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

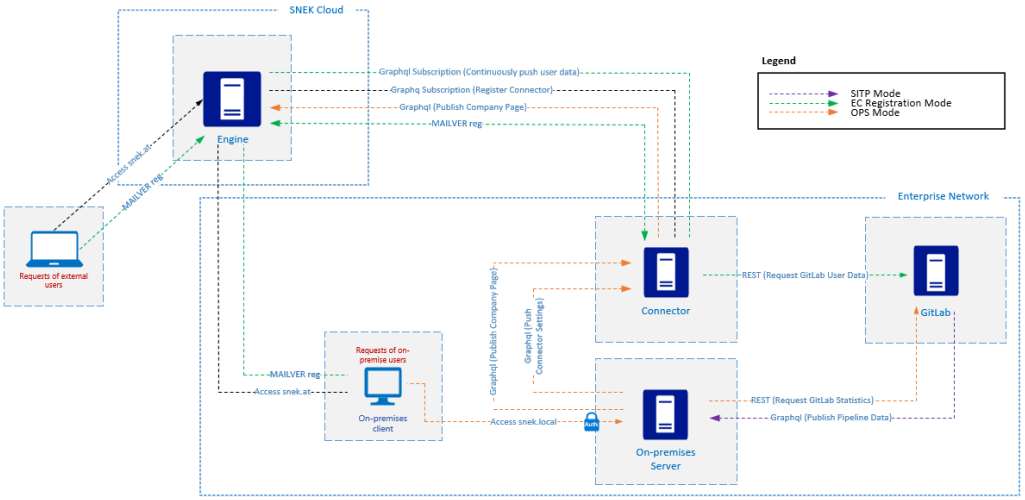
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

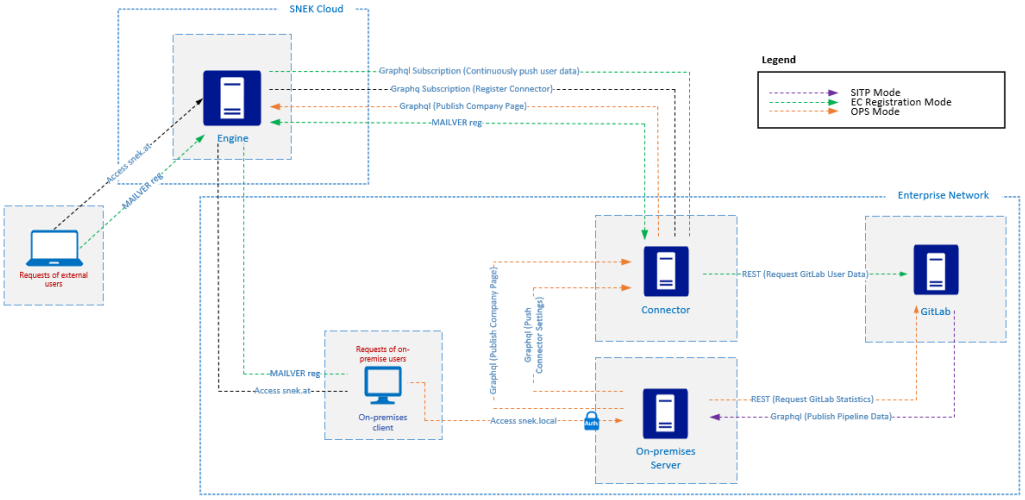
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

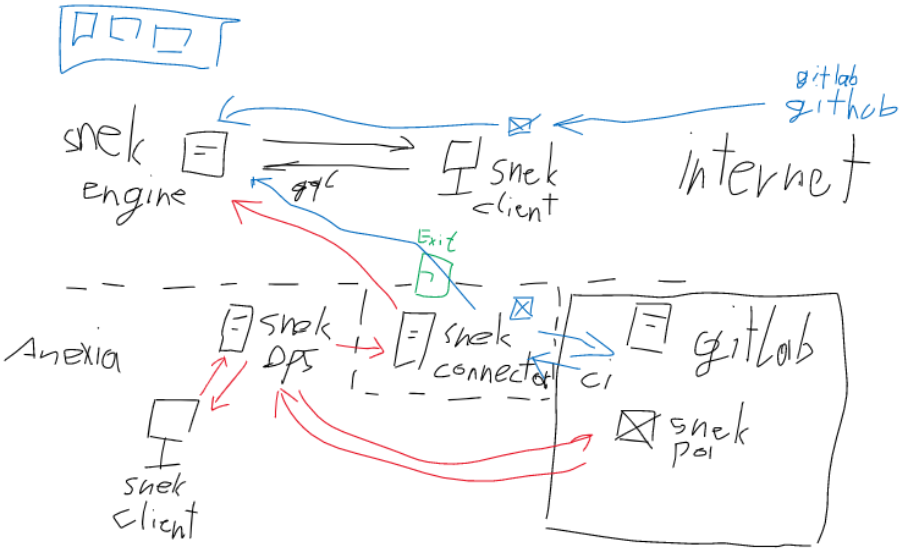
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

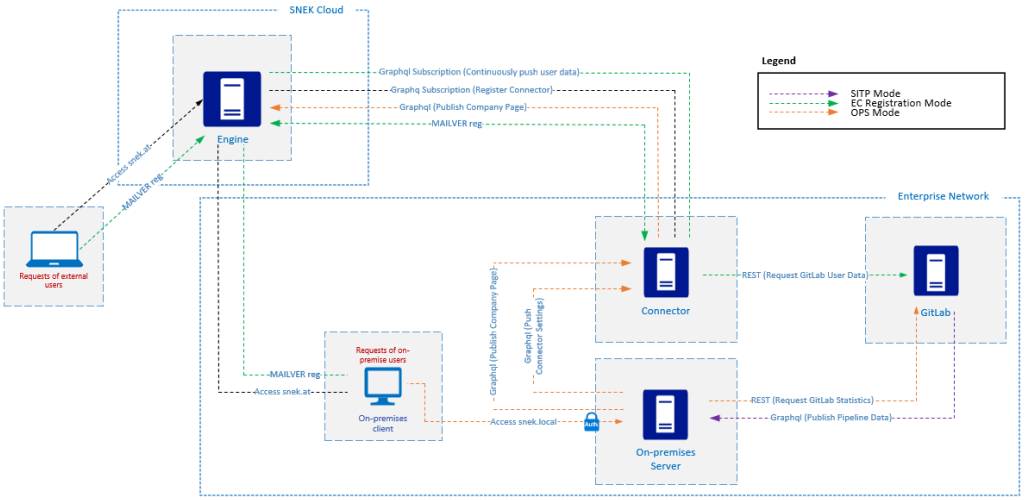
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

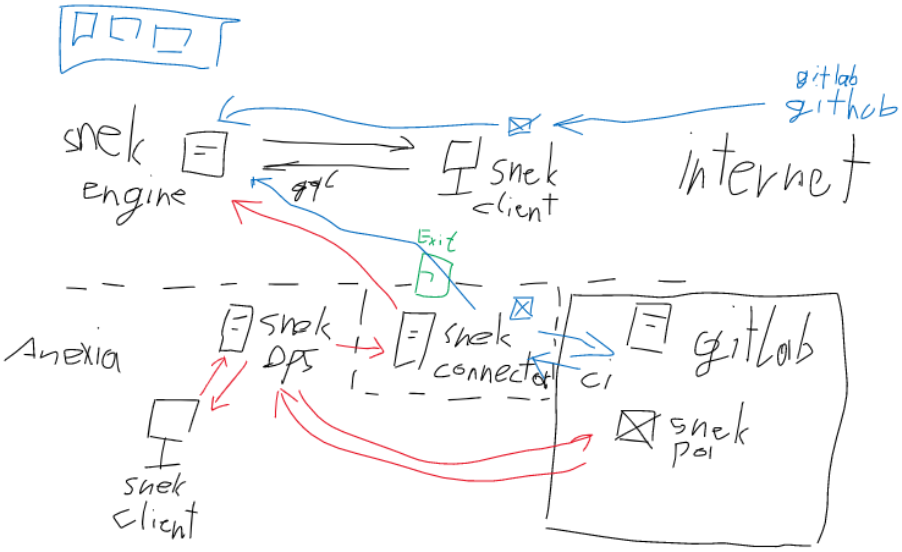
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

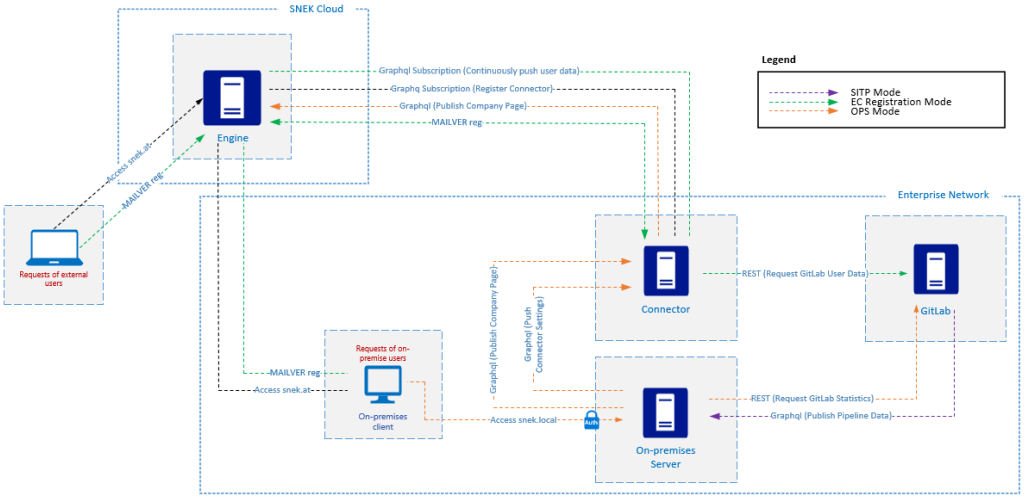
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

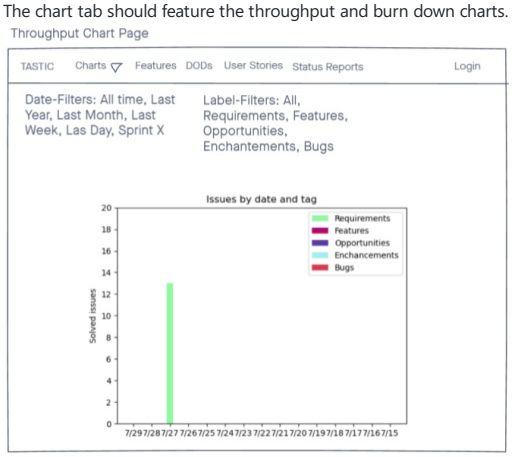
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

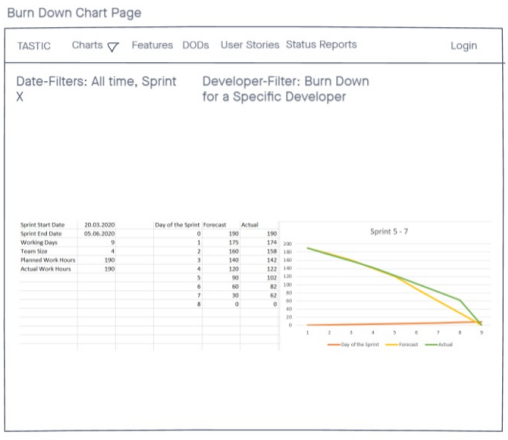
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

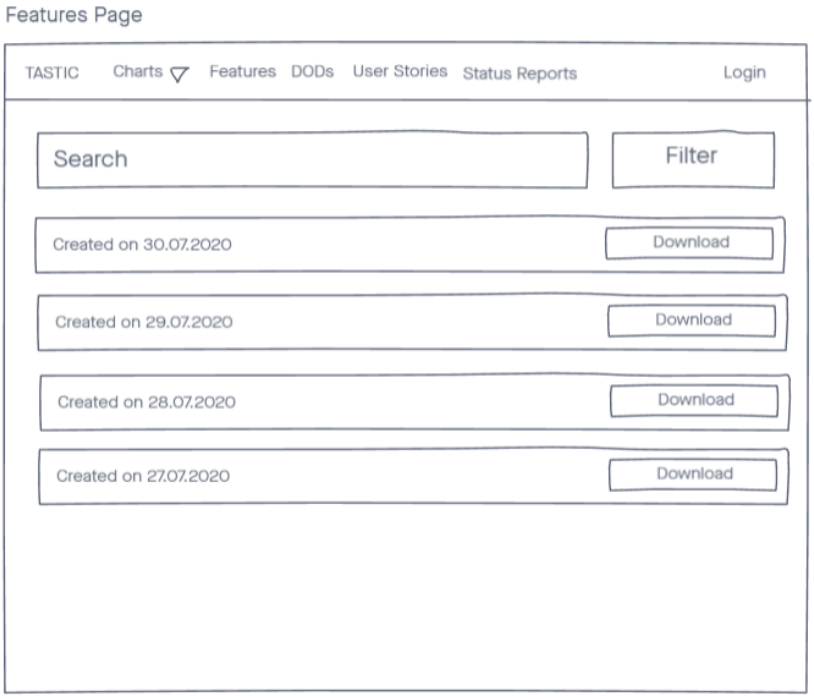
Charts Pages
The chart tab should feature the throughput and burn down charts.





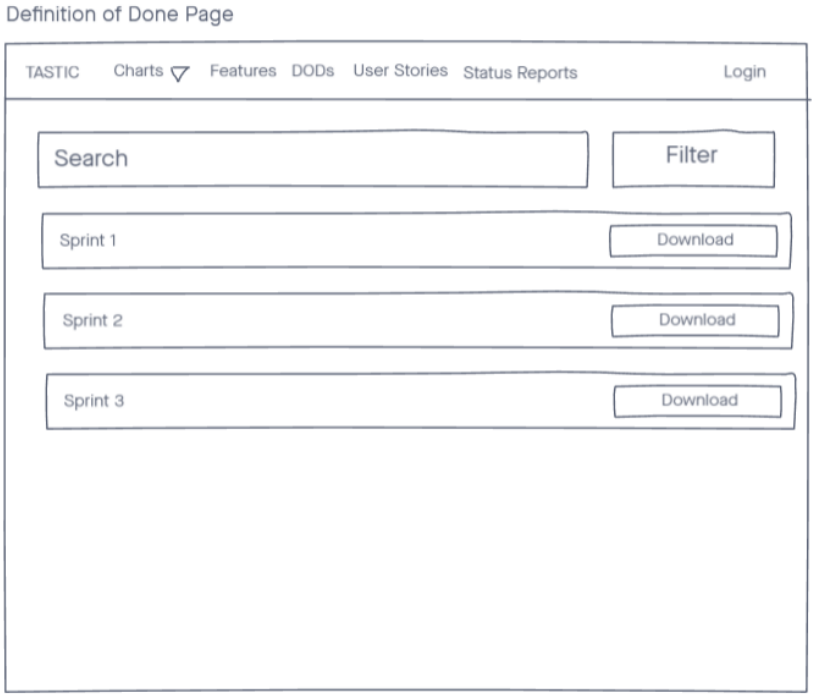
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

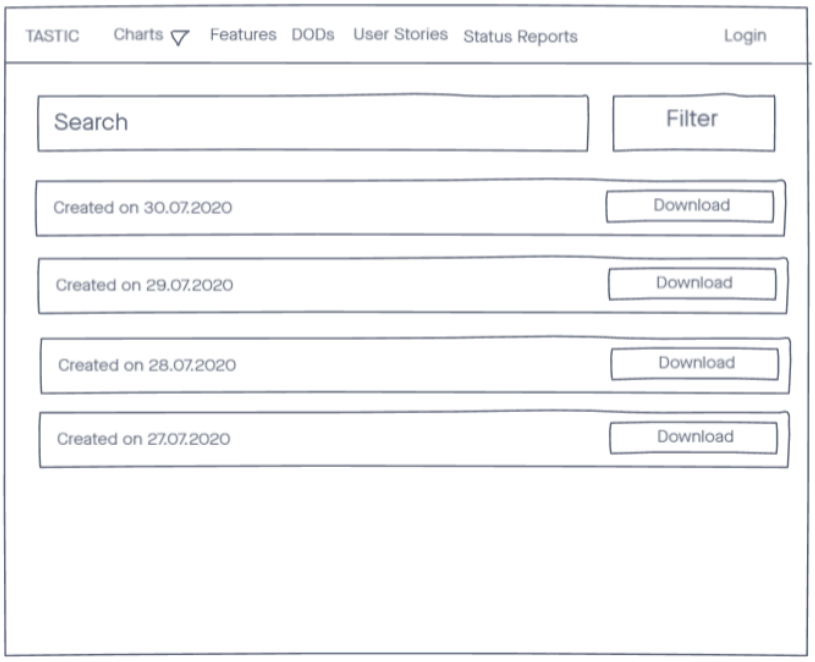
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

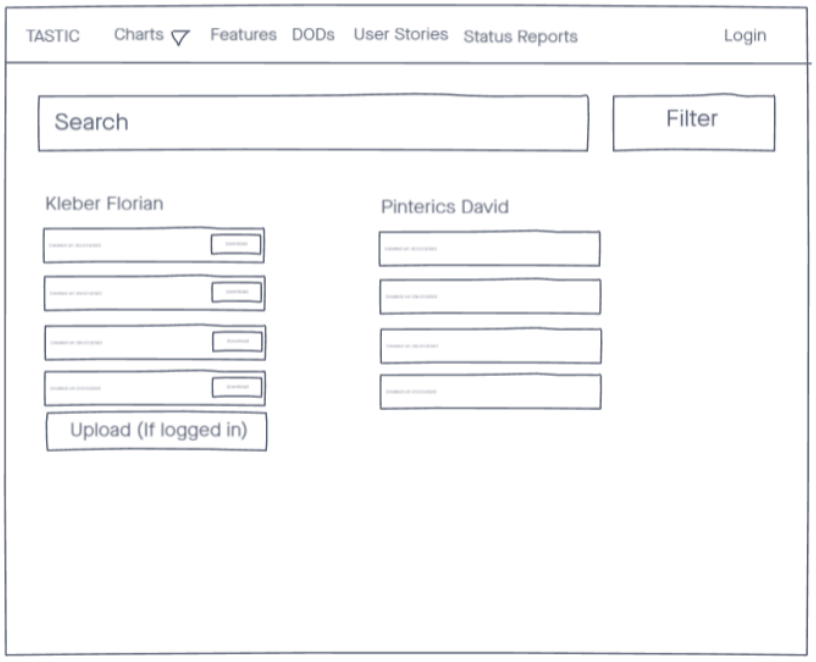
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

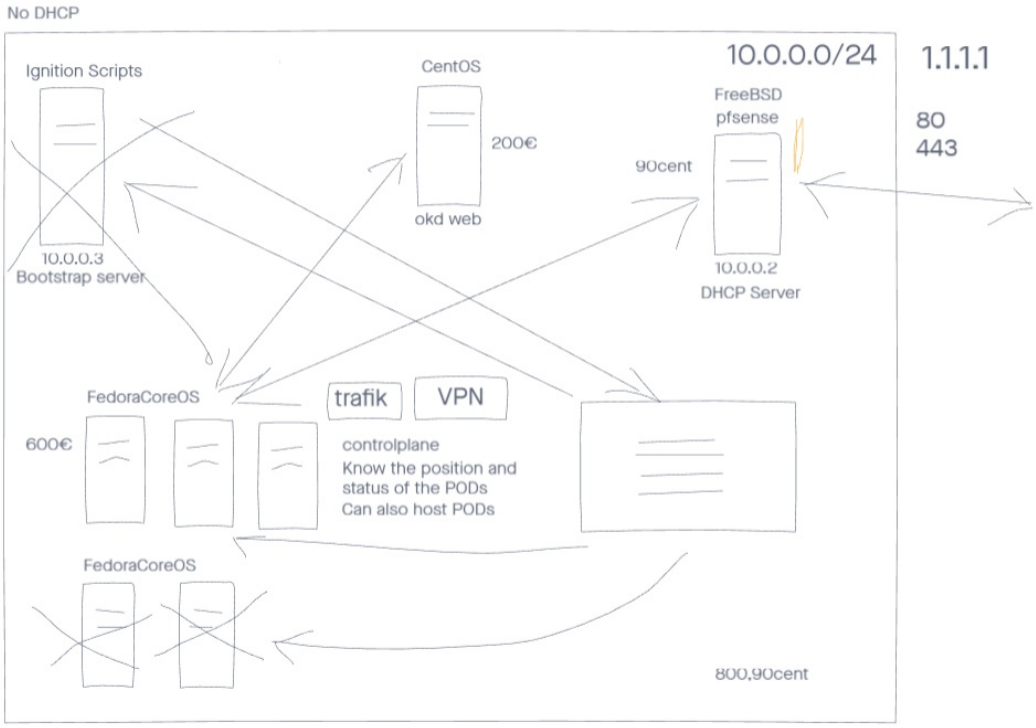
9 Like Functionality

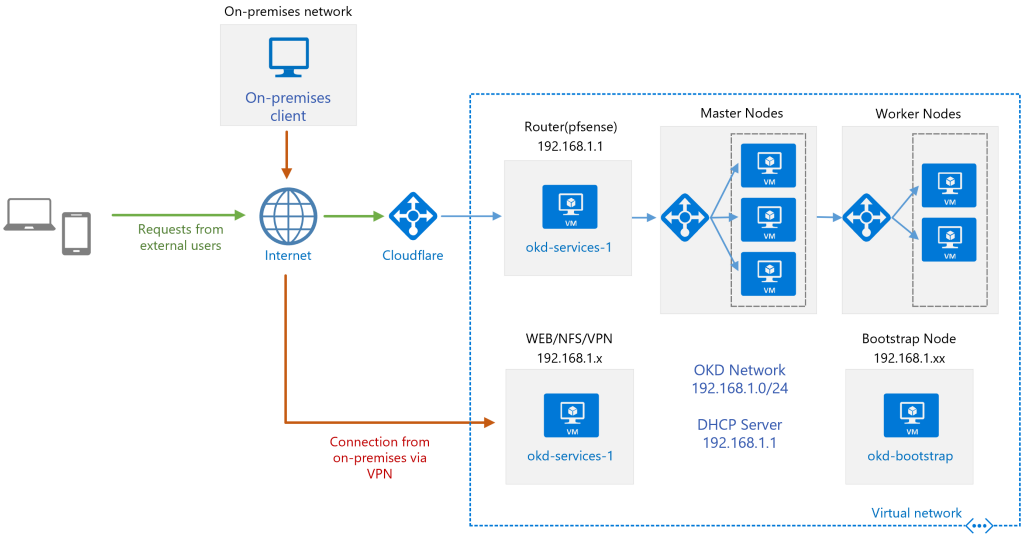
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

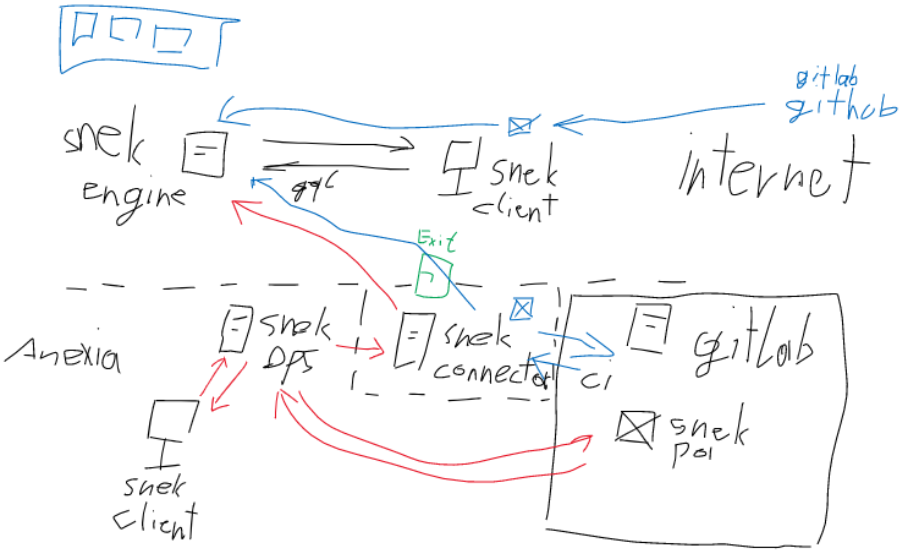
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

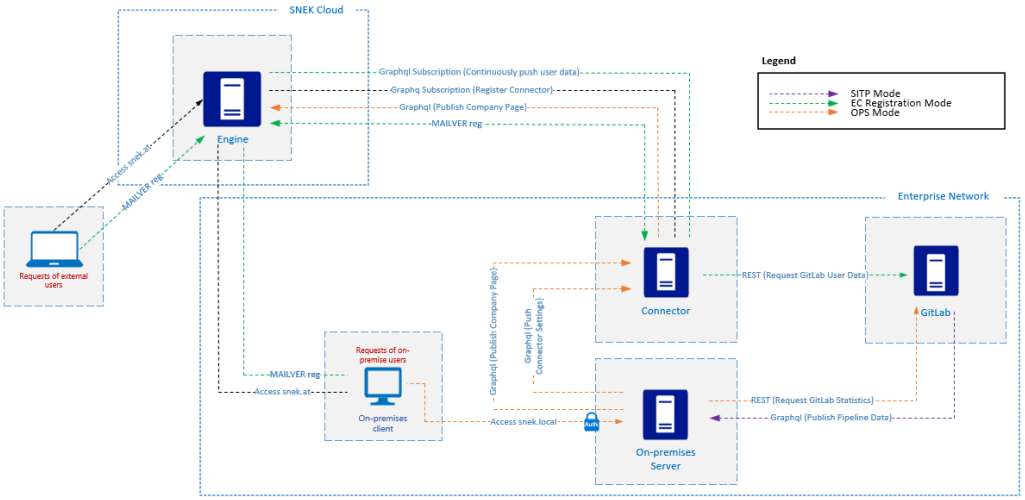
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

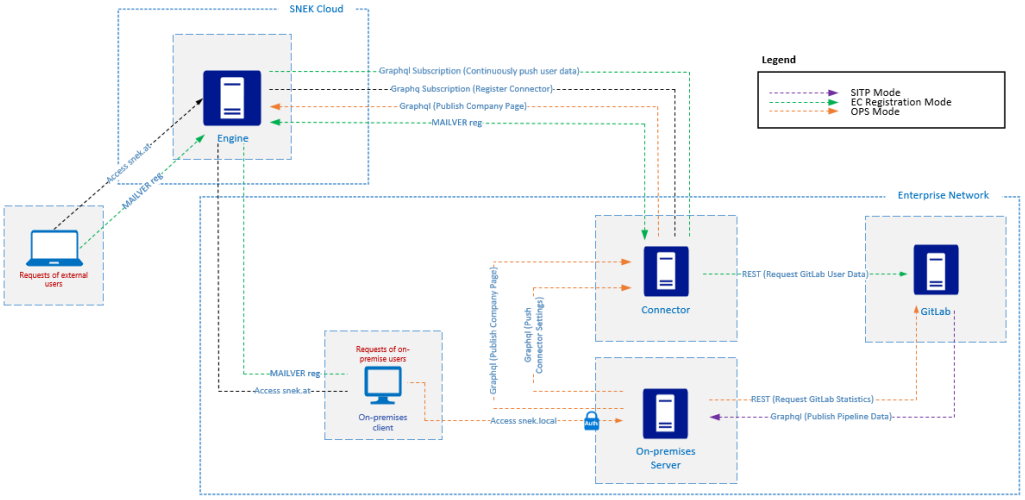
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

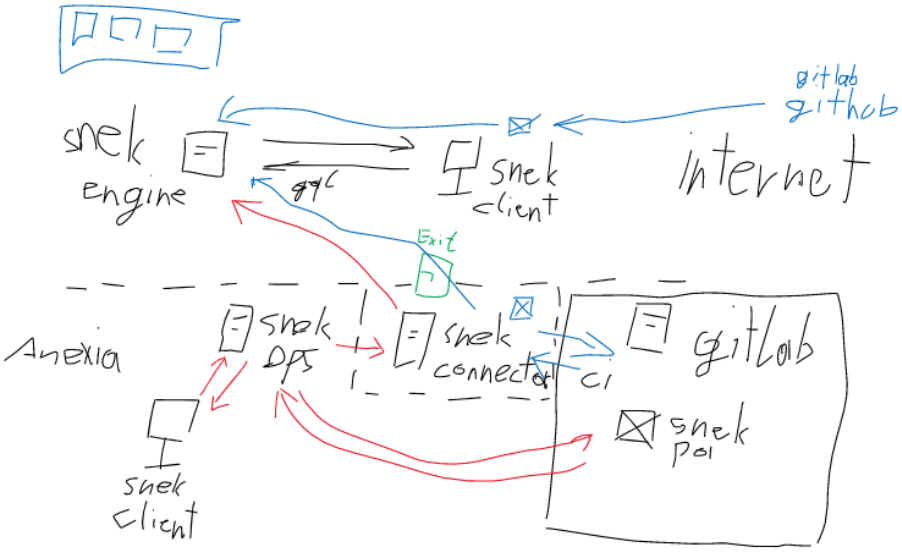
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

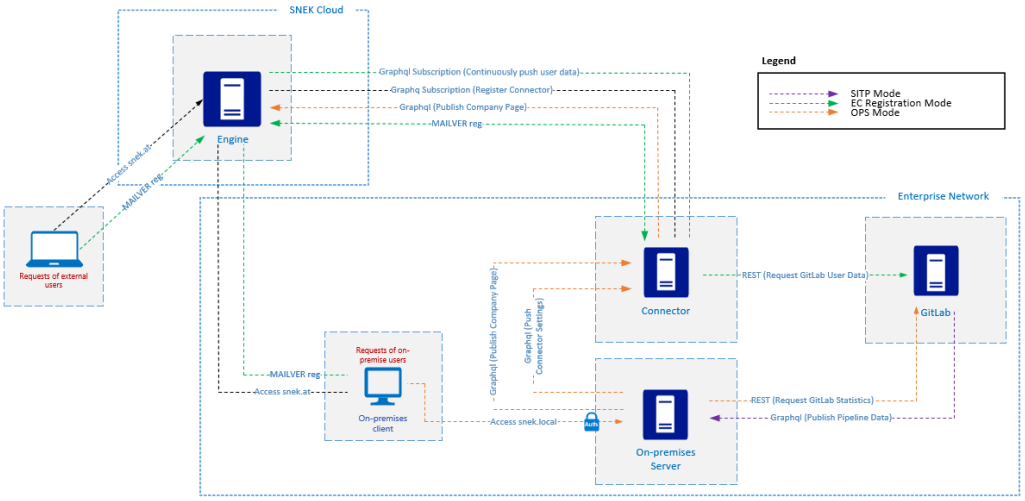
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

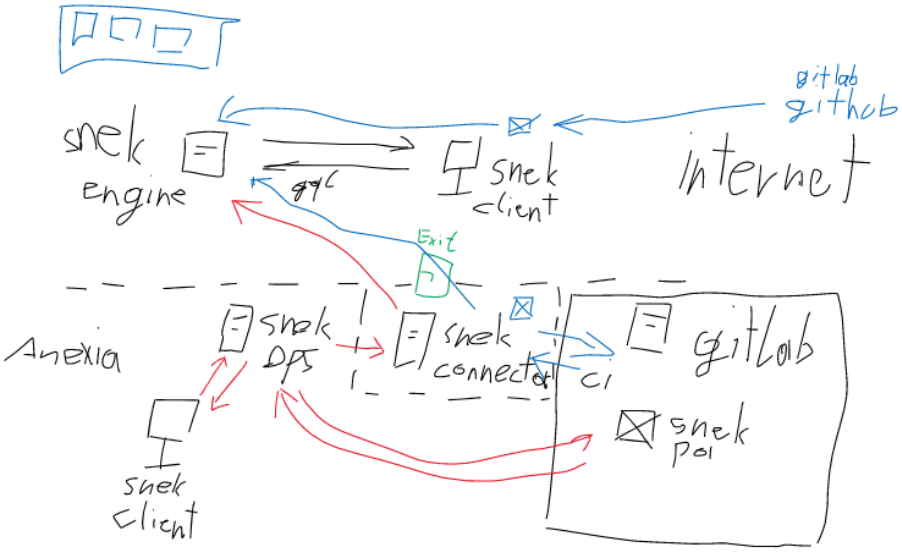
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

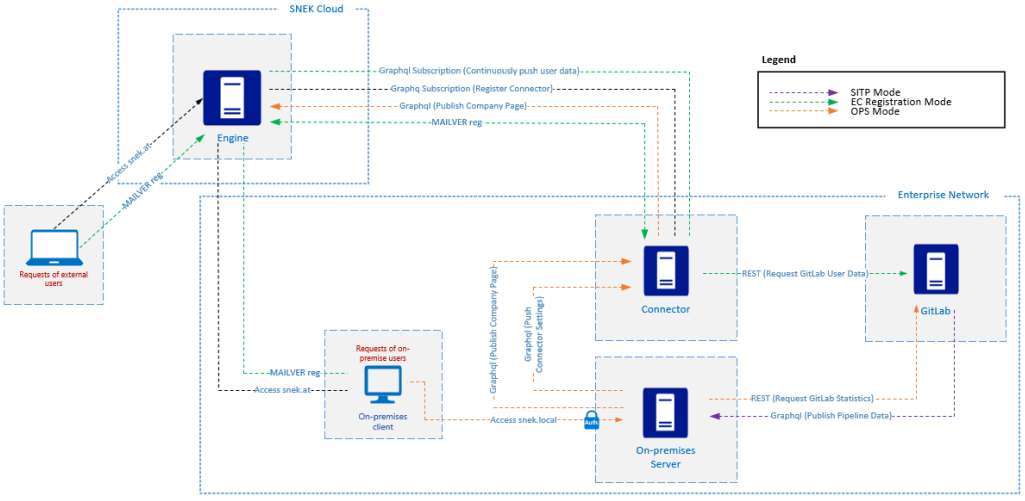
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

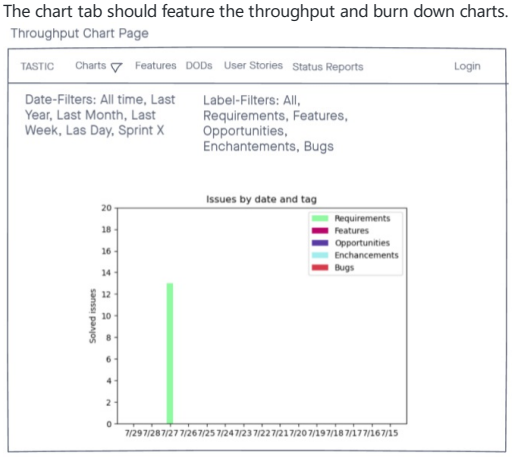
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

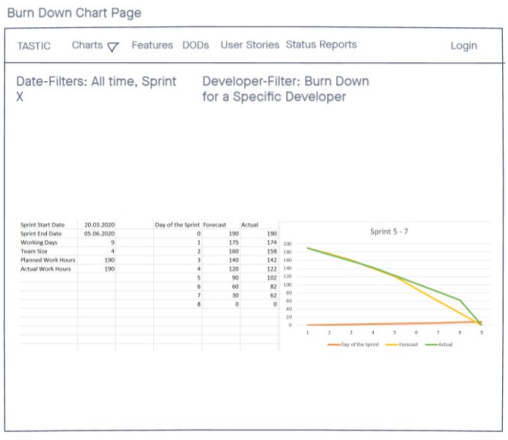
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

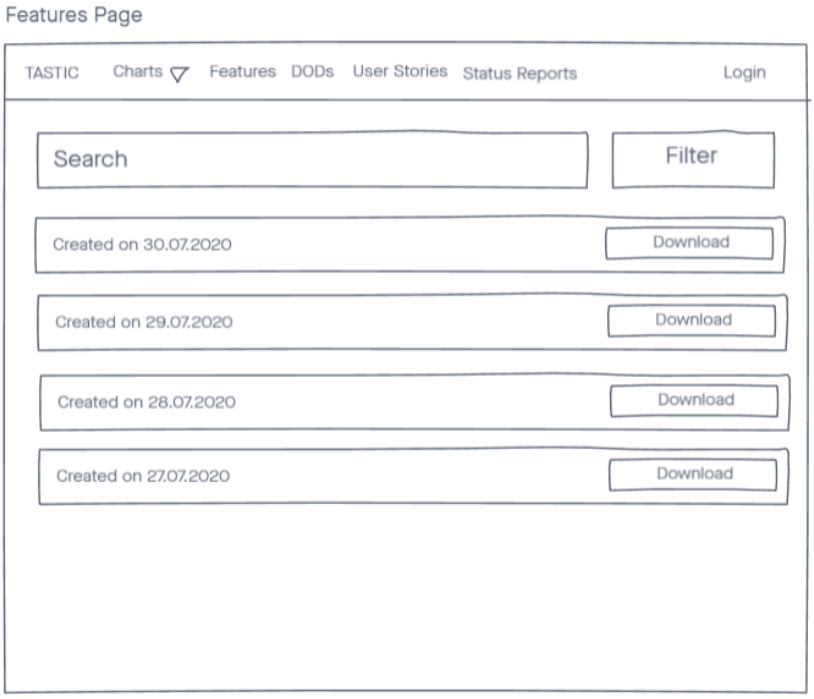
Charts Pages
The chart tab should feature the throughput and burn down charts.





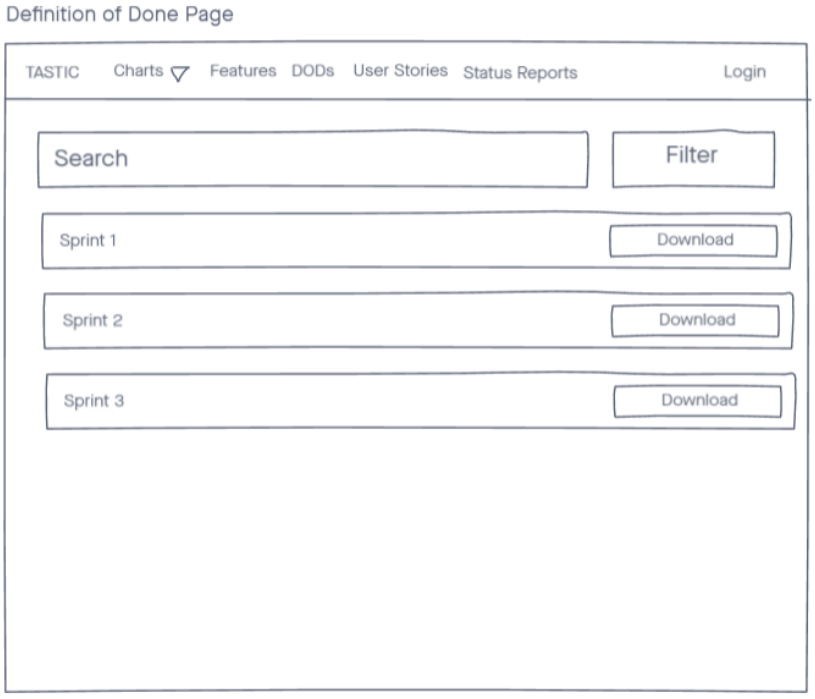
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

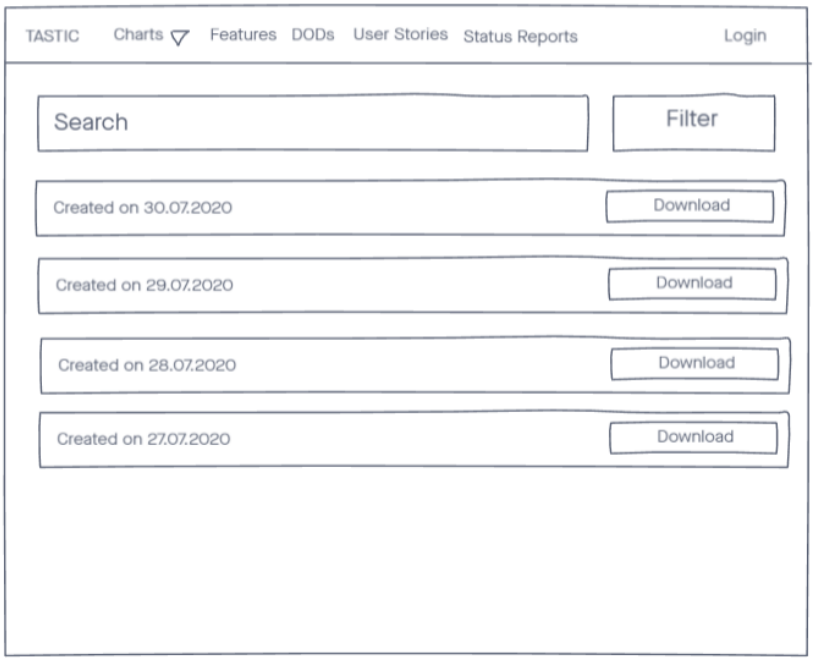
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

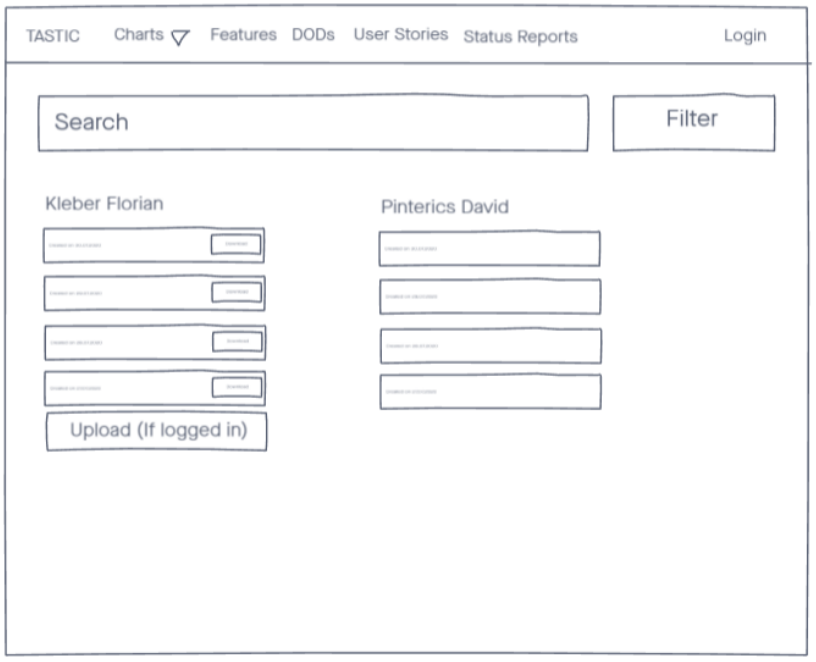
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

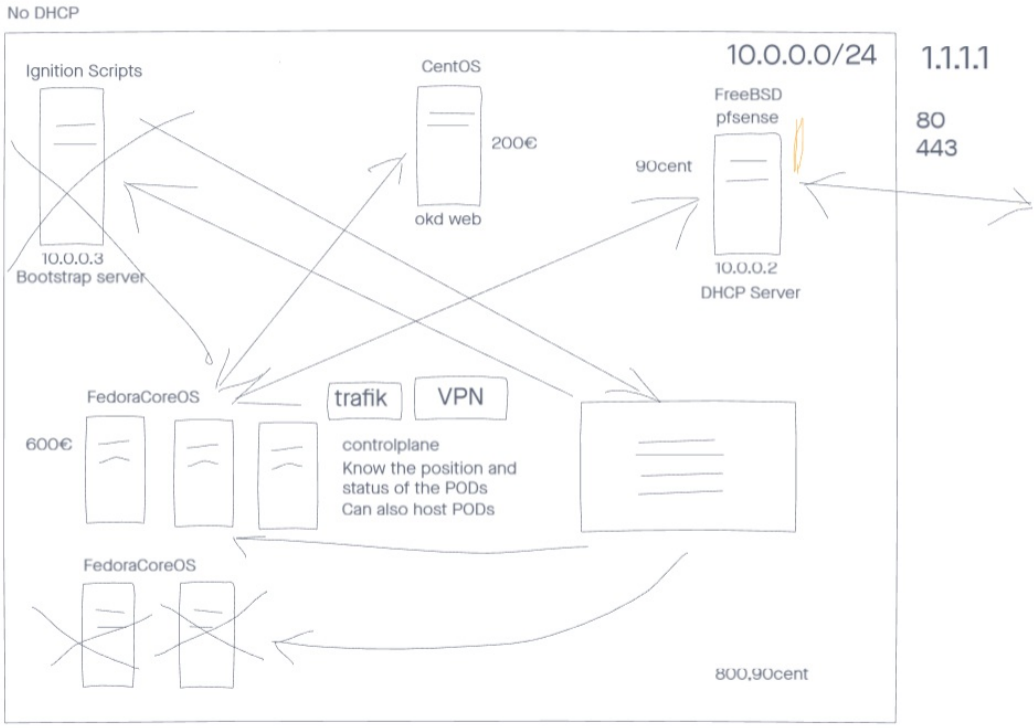
10 HackTheBox Data

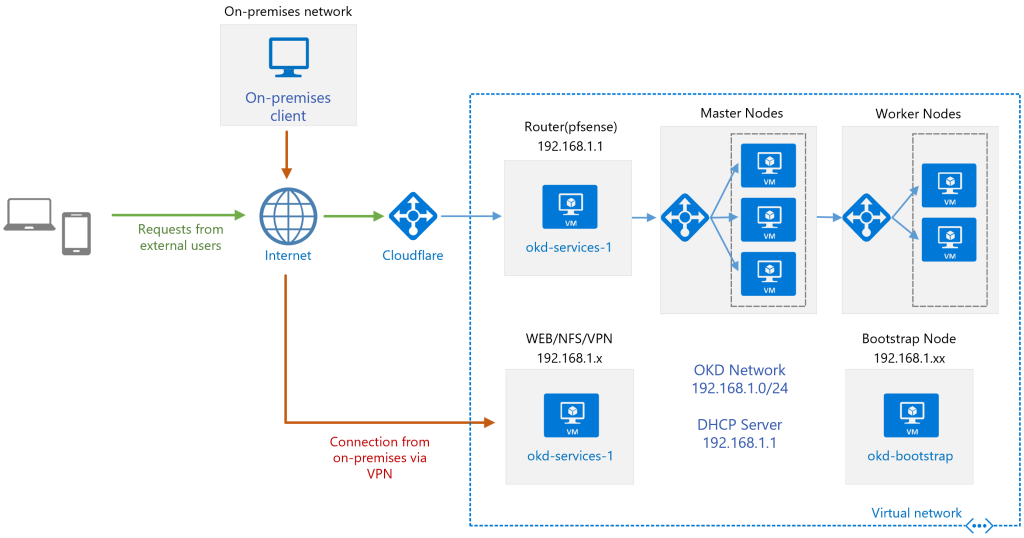
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

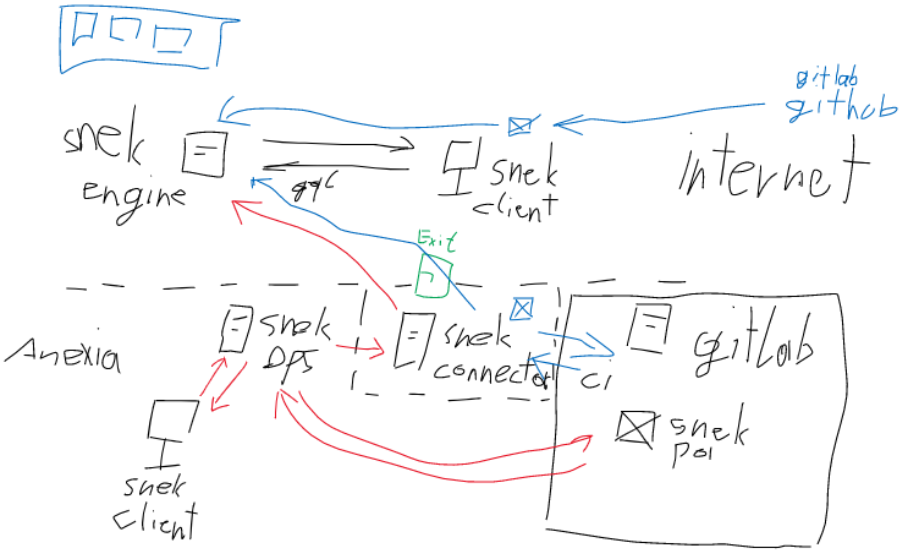
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

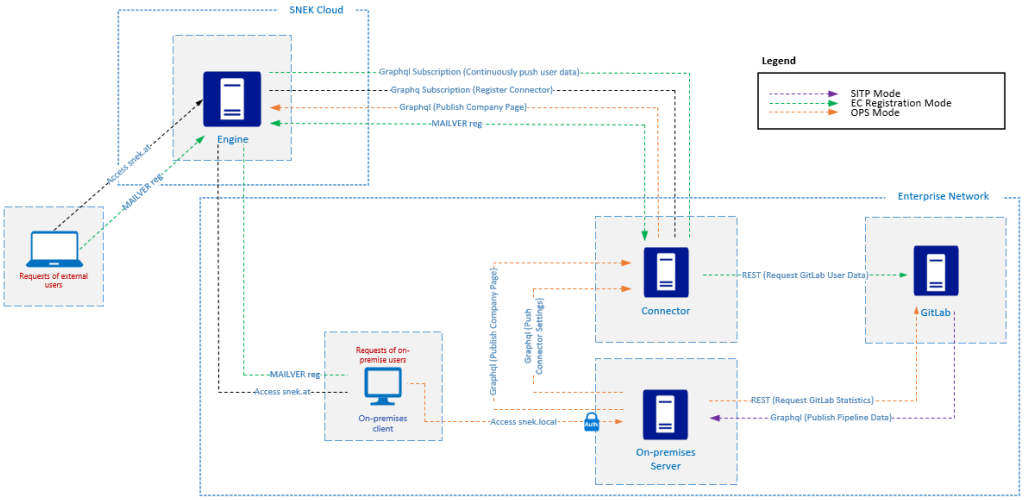
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

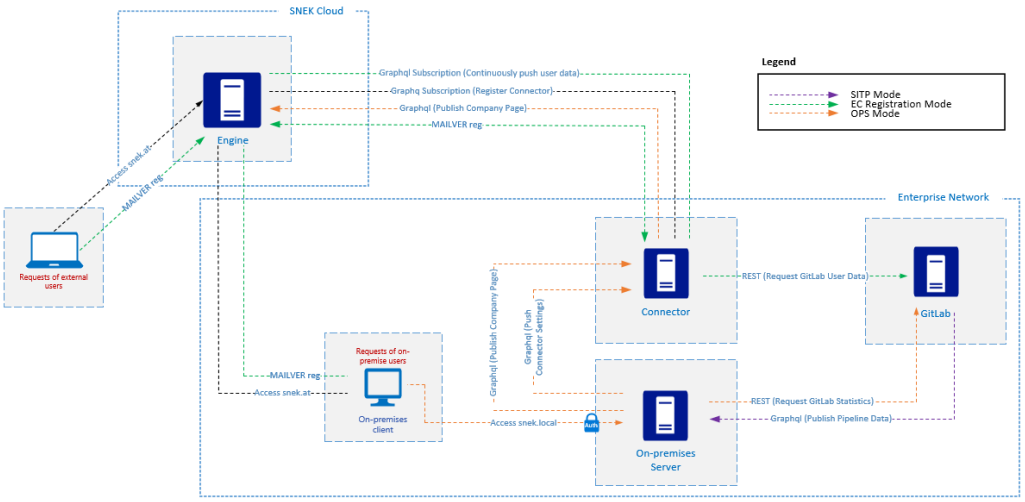
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

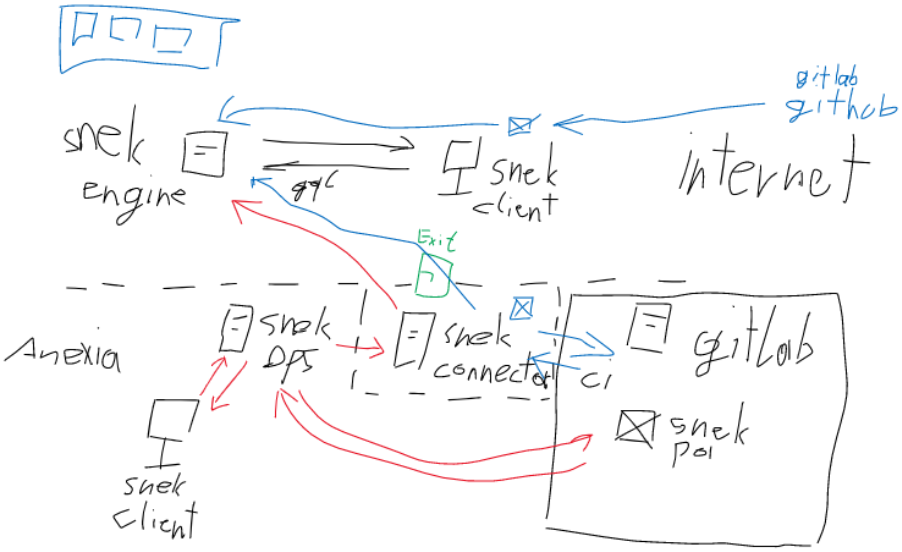
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

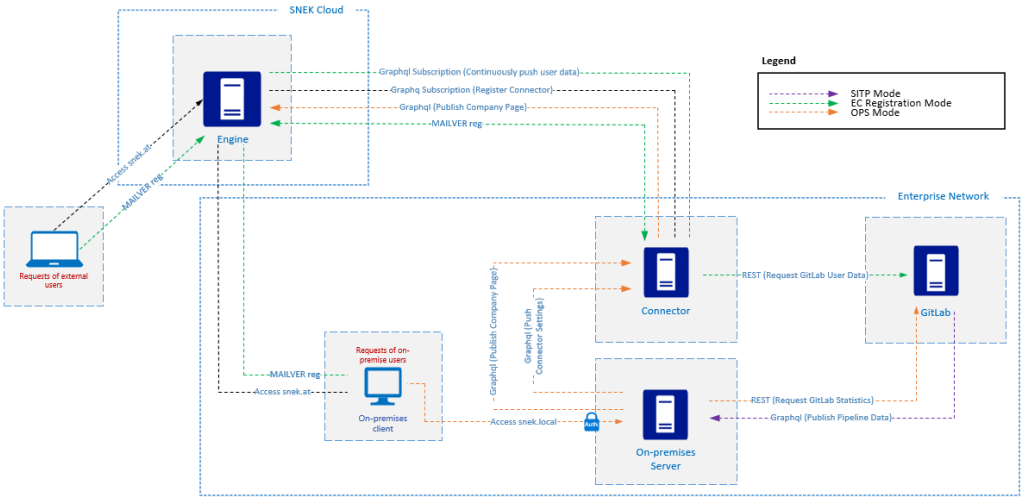
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

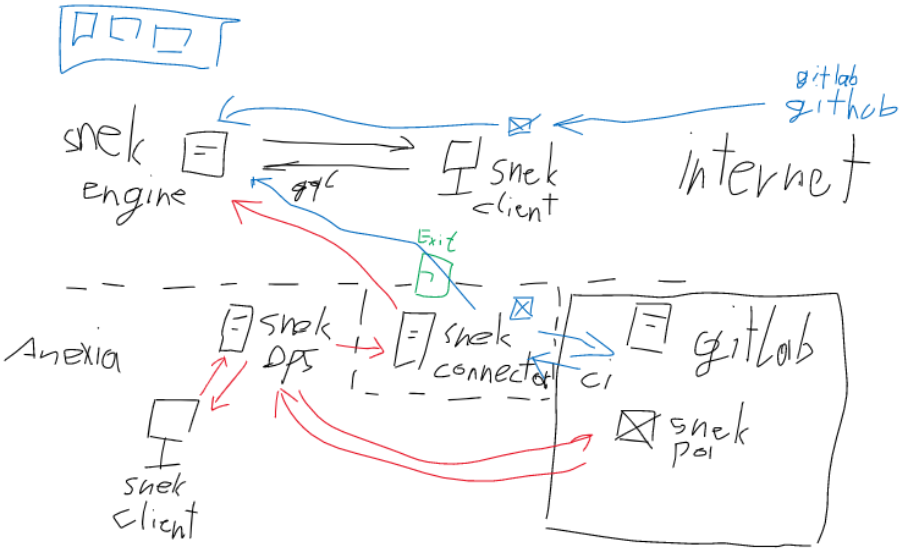
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

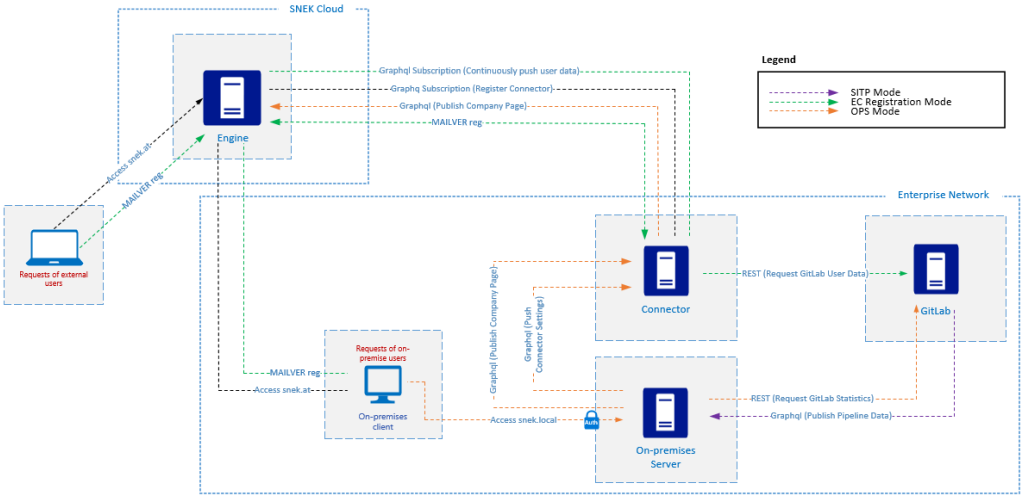
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

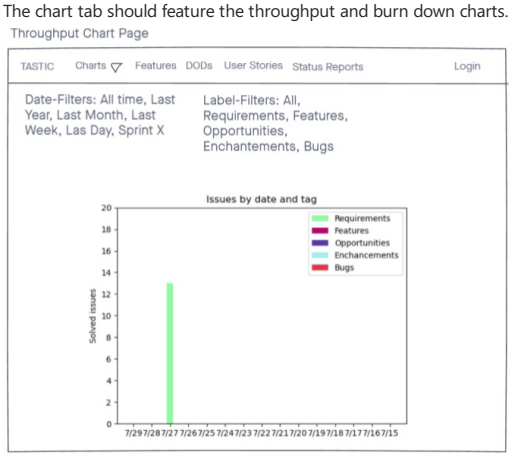
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

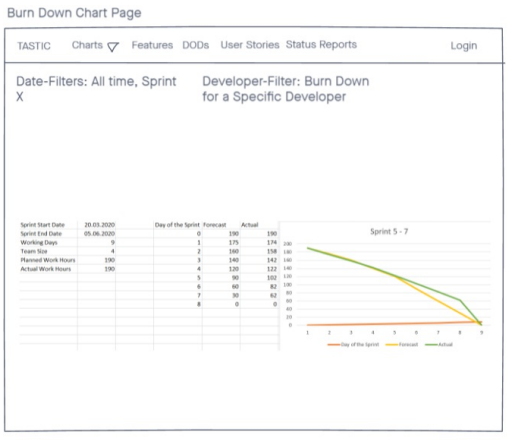
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

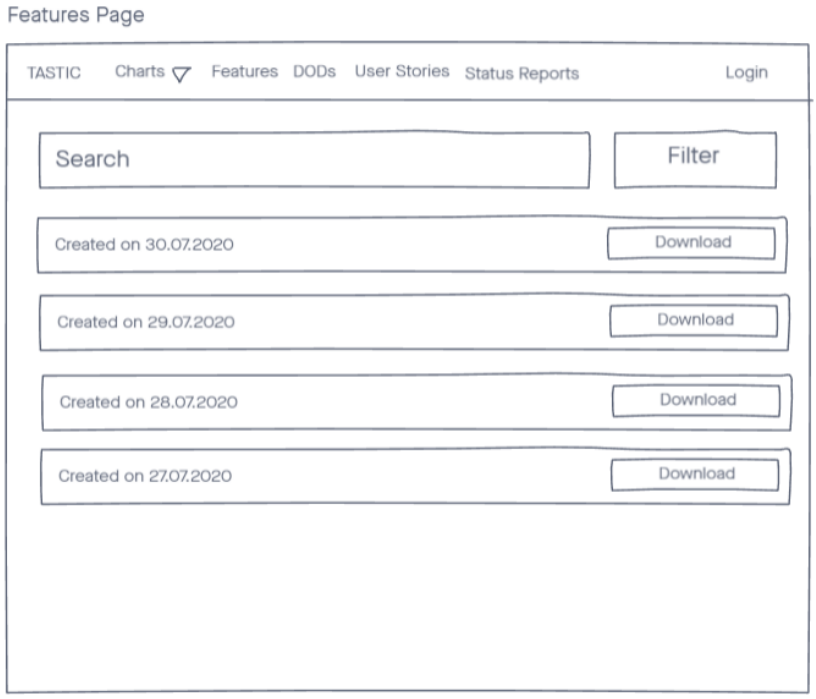
Charts Pages
The chart tab should feature the throughput and burn down charts.





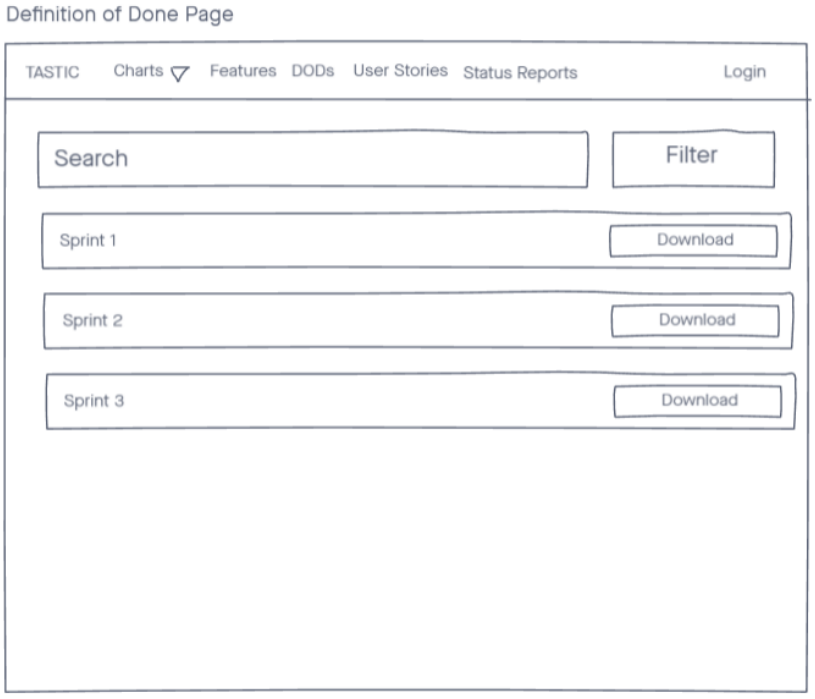
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

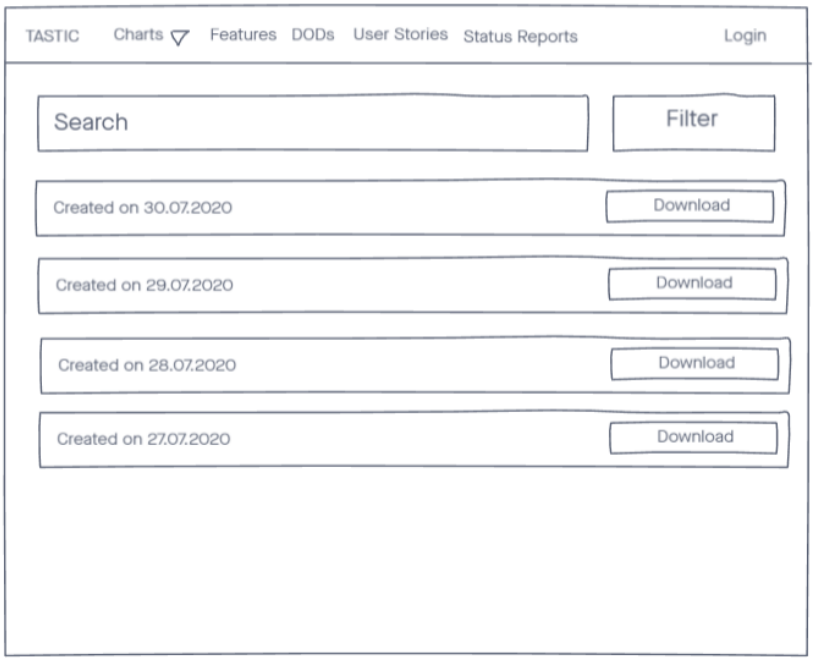
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

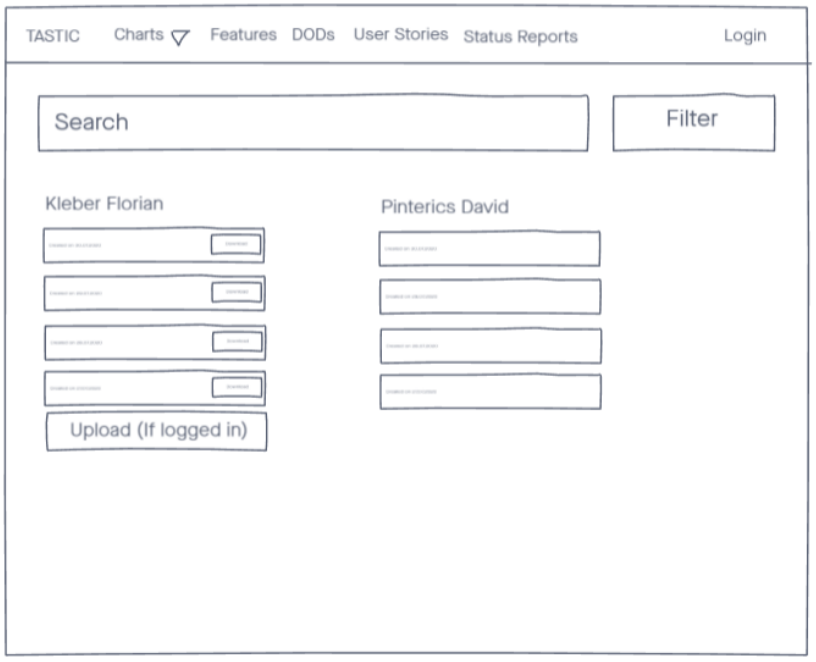
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

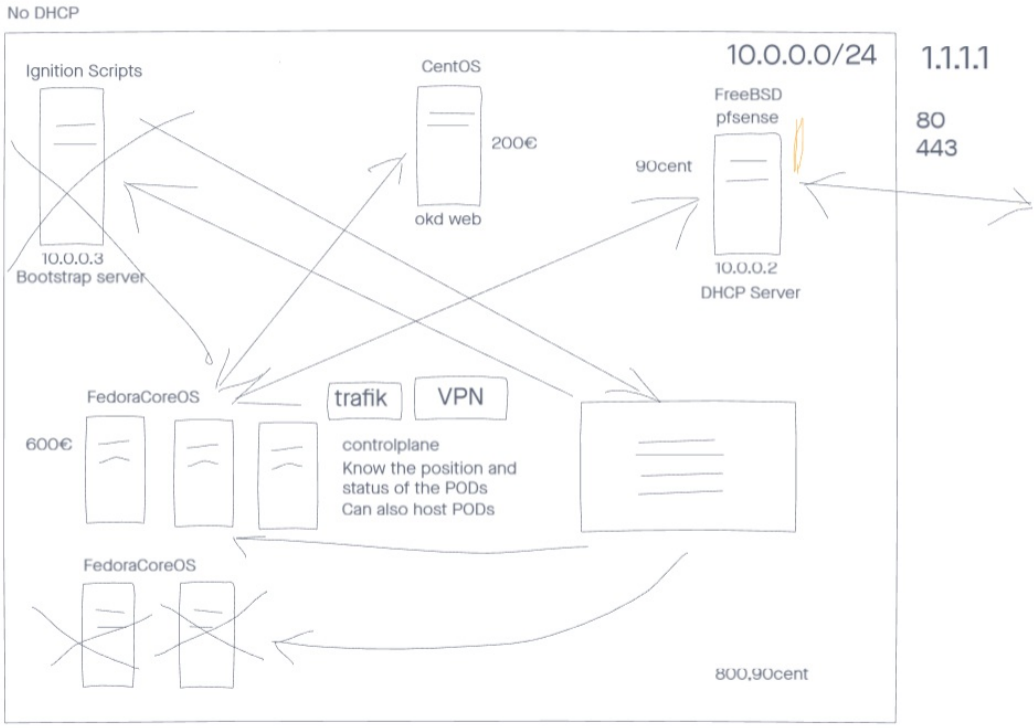
11 HackerOne Data

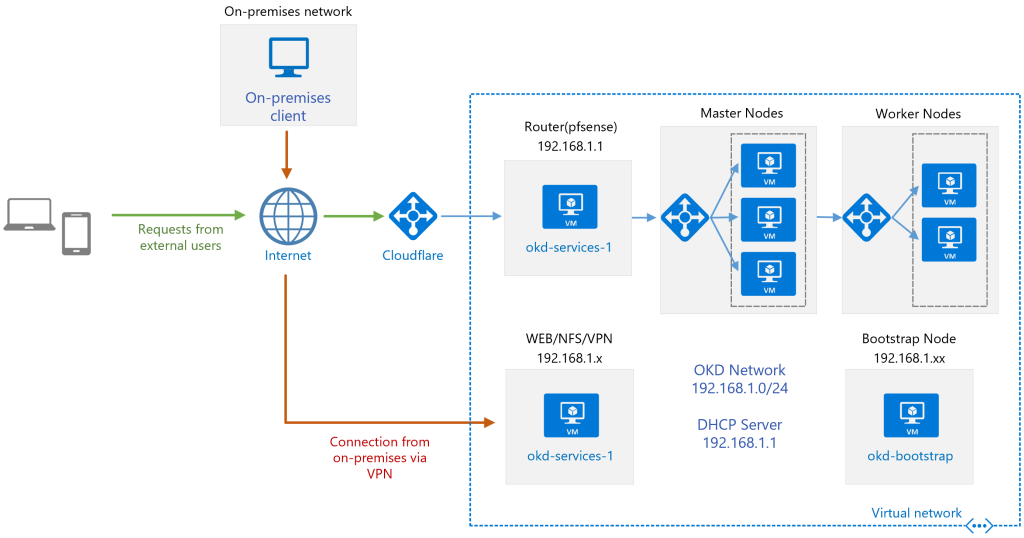
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

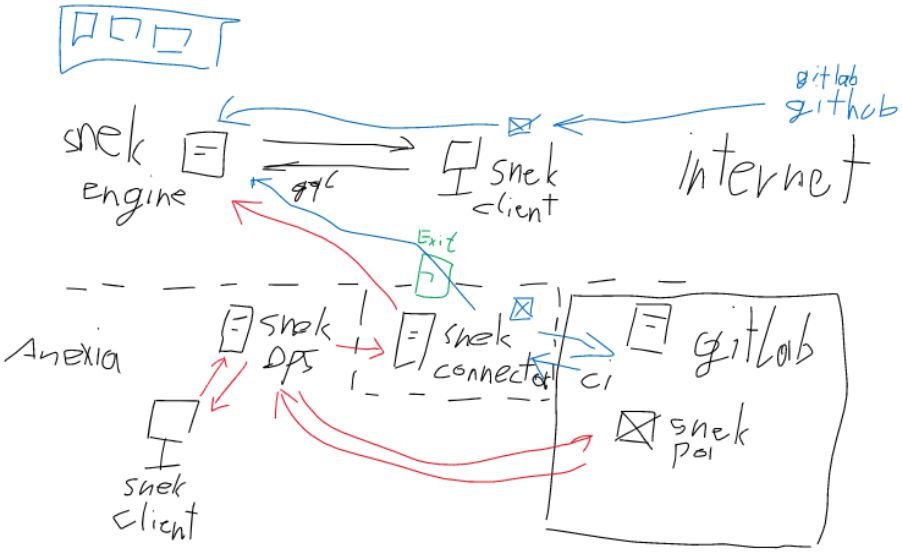
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

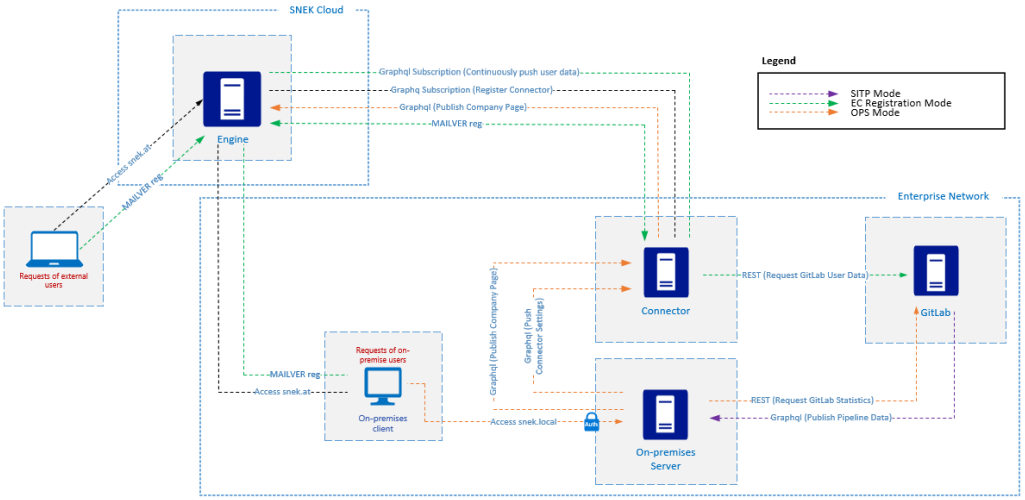
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

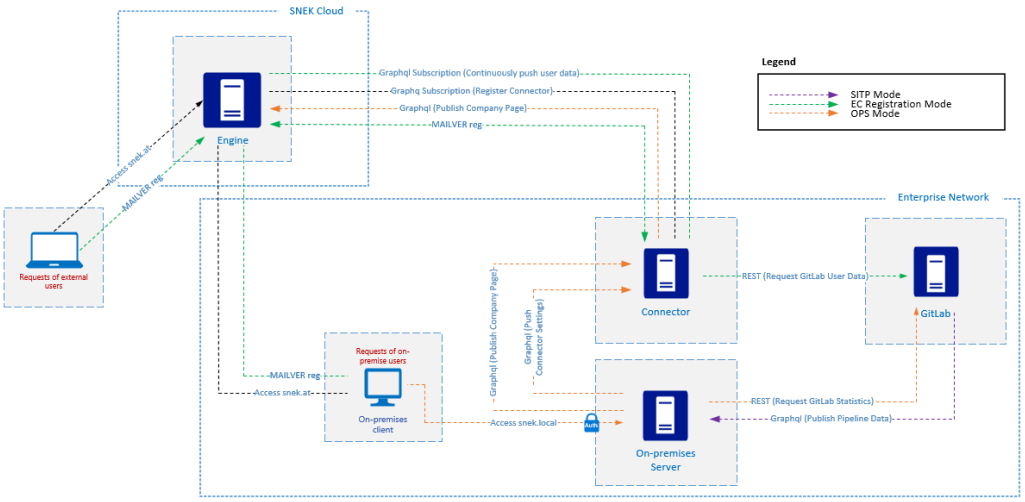
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

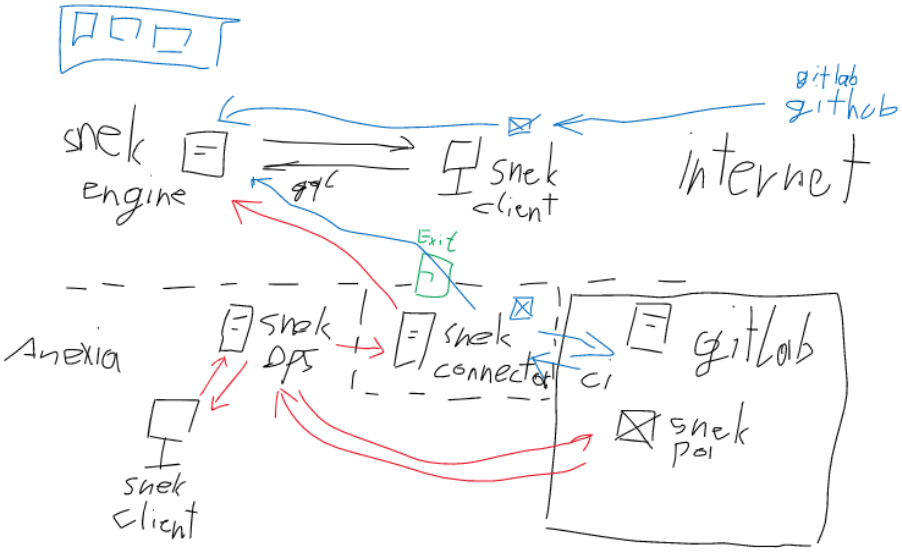
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

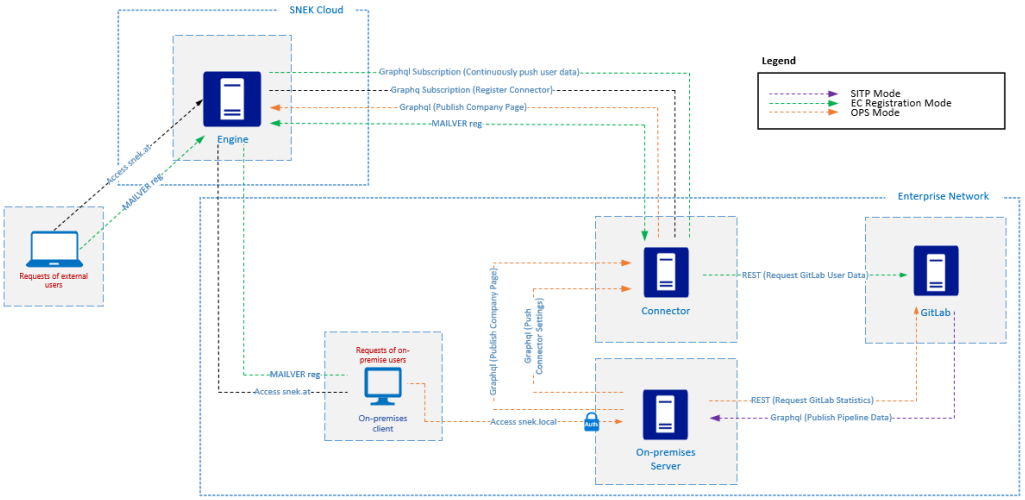
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

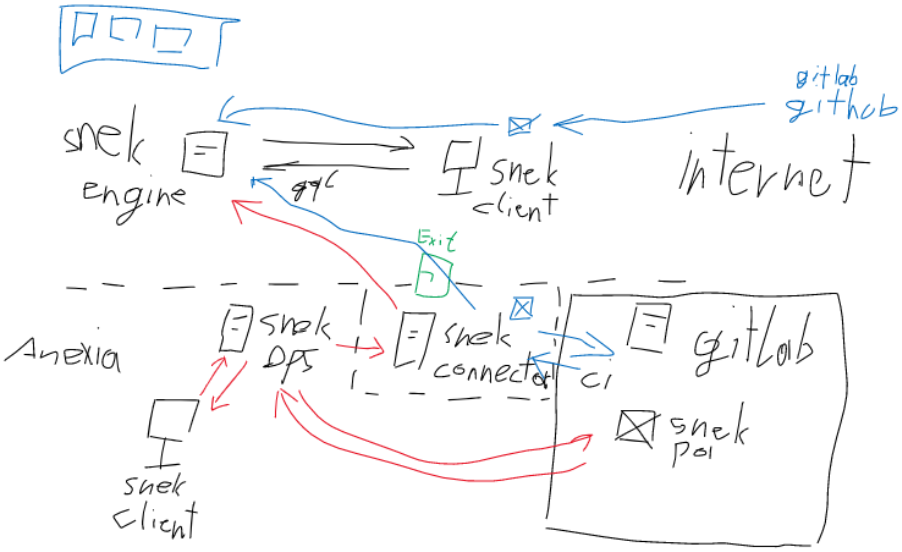
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

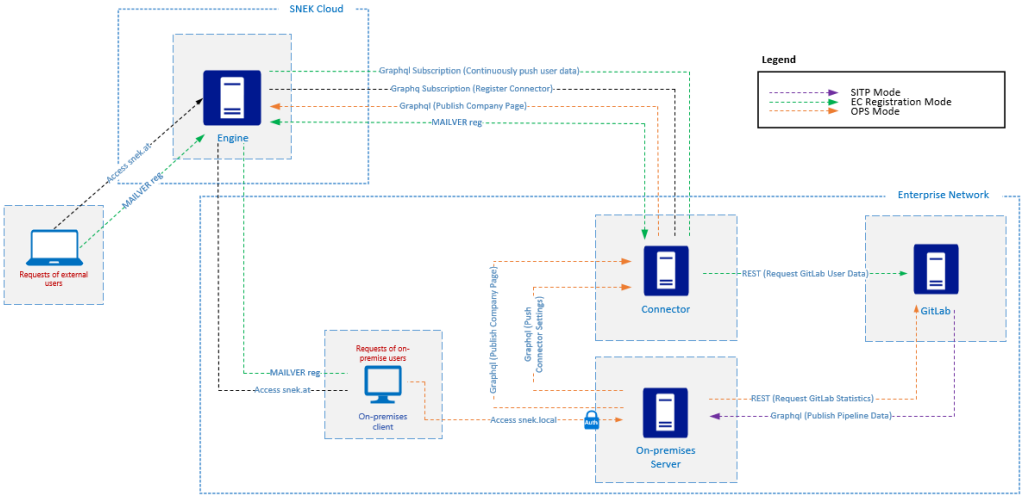
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

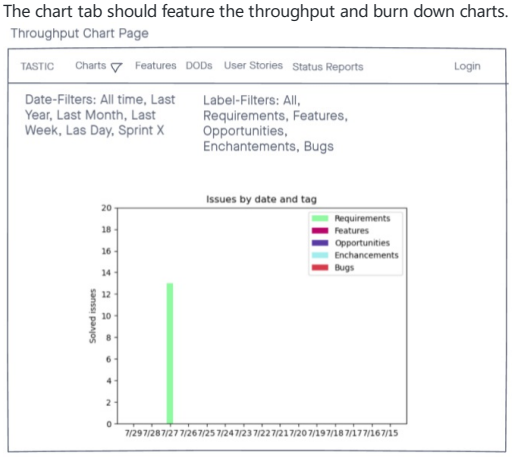
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

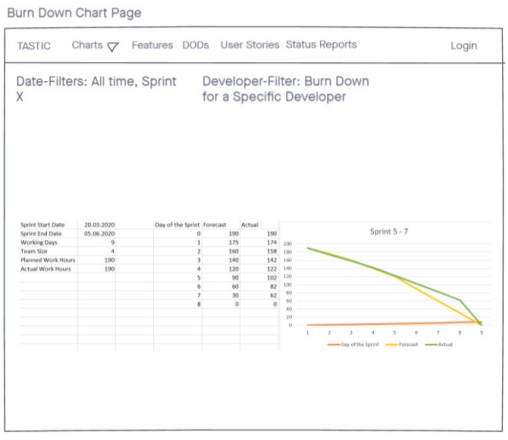
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

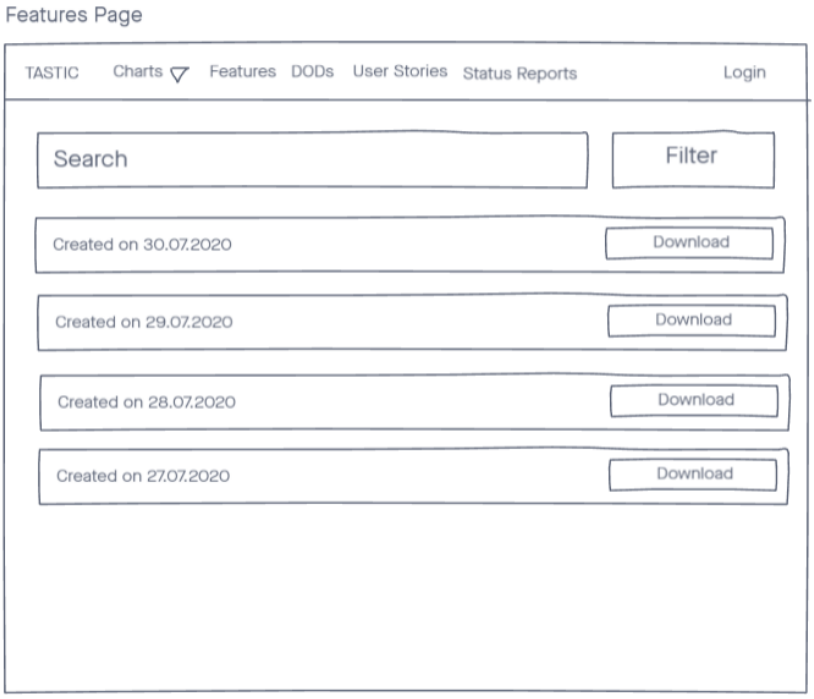
Charts Pages
The chart tab should feature the throughput and burn down charts.





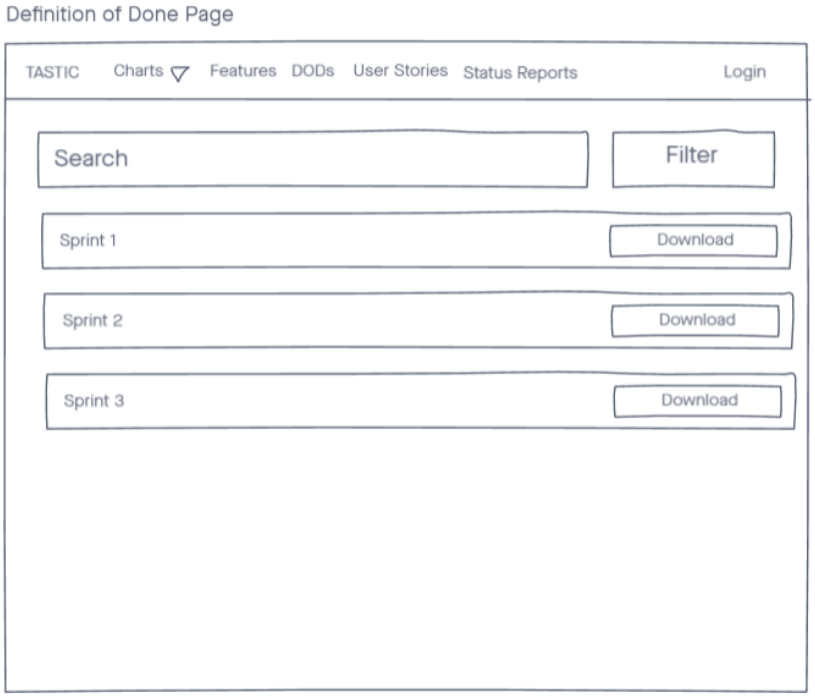
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

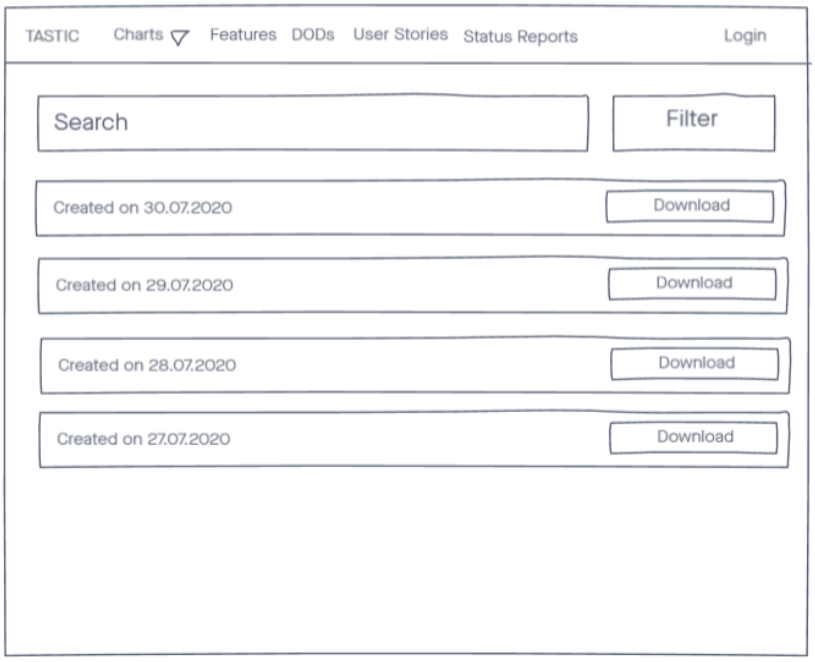
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

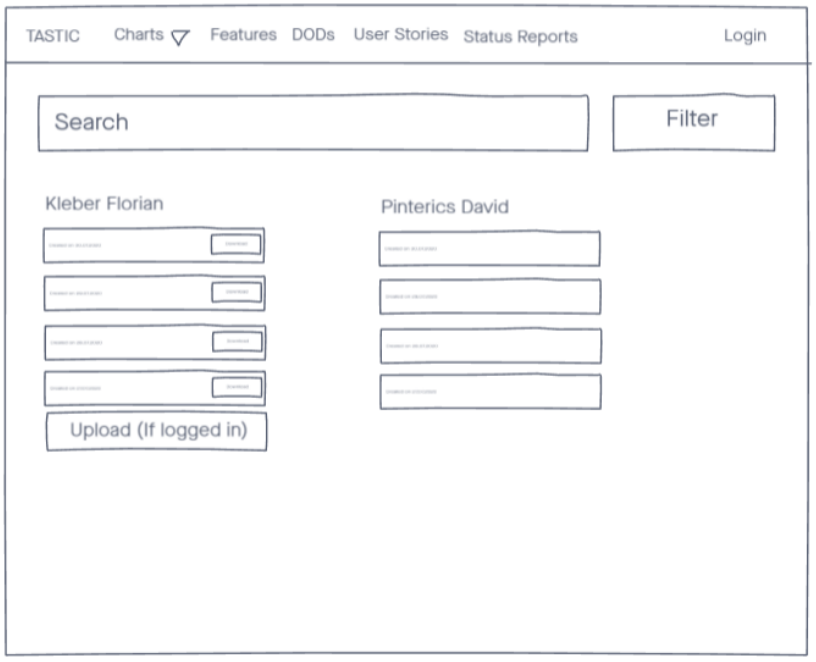
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

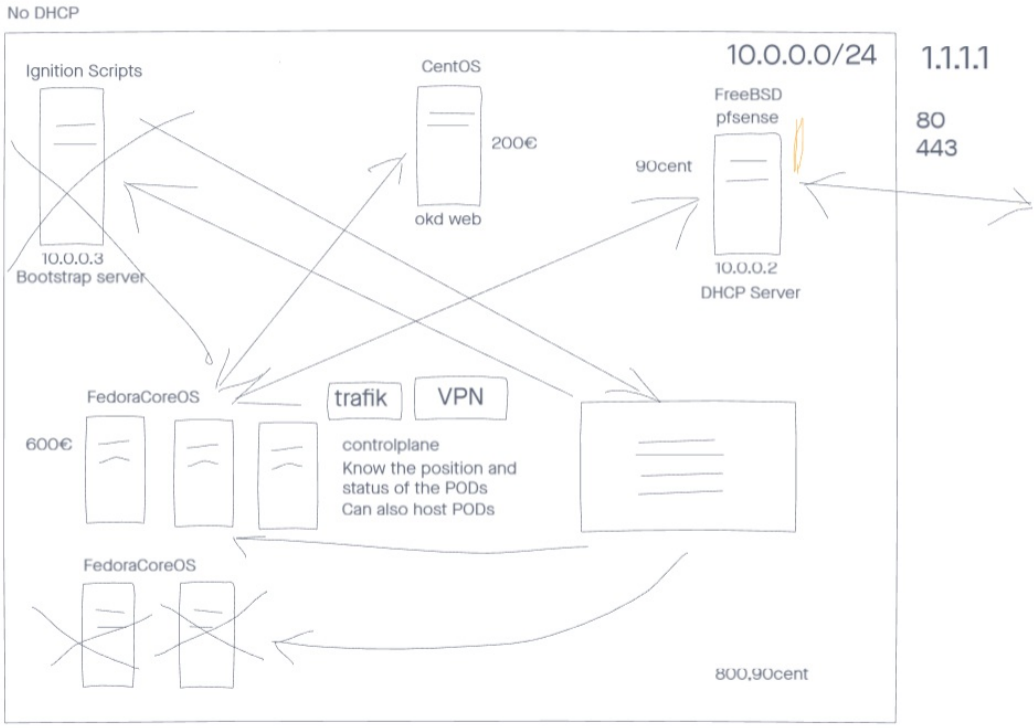
12 Instagram Data

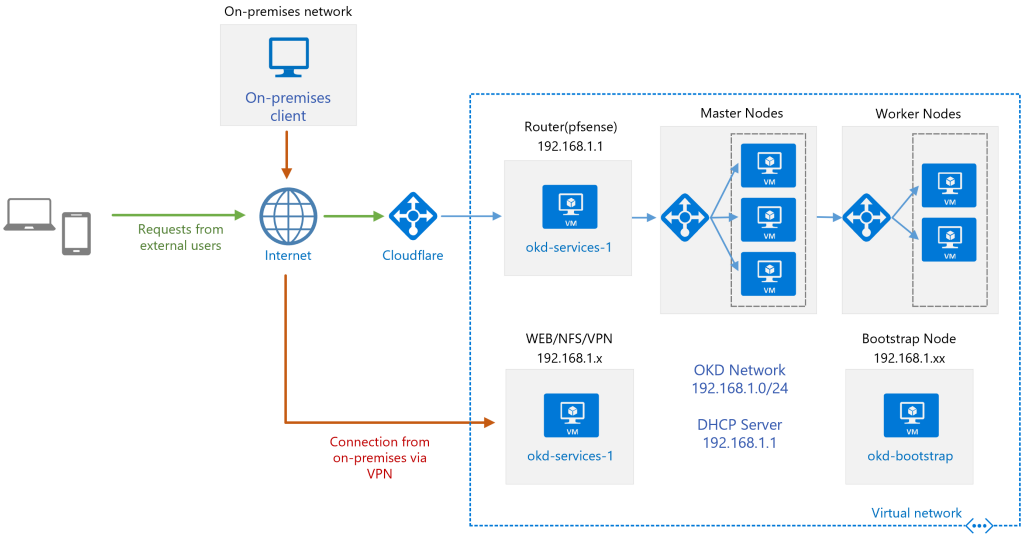
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

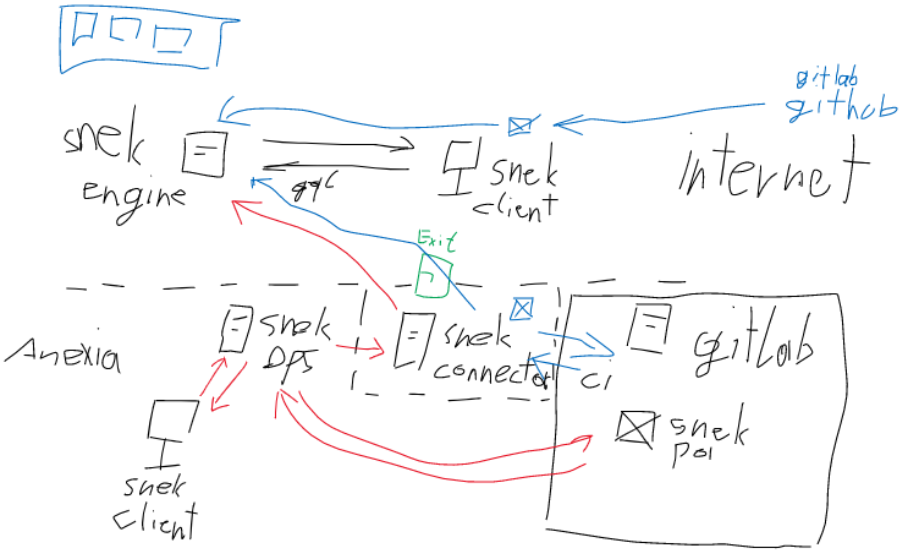
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

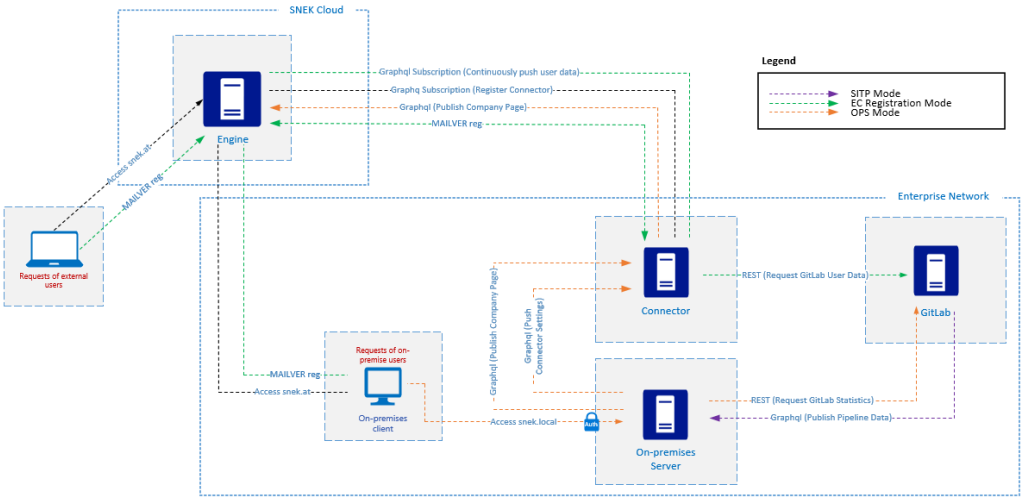
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

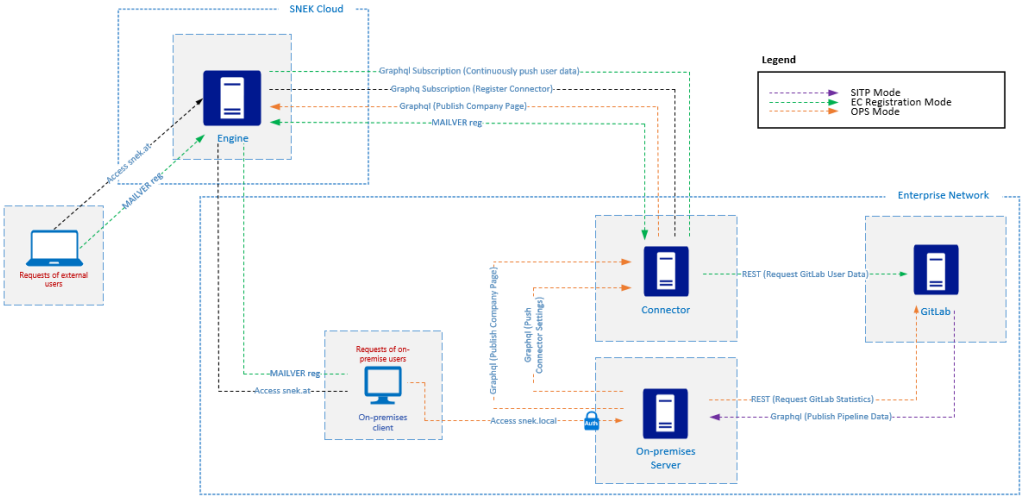
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

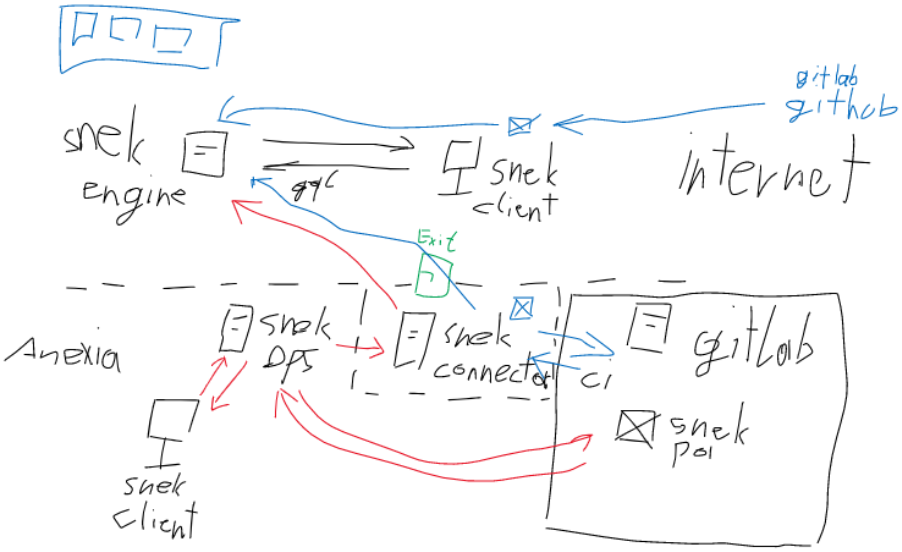
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

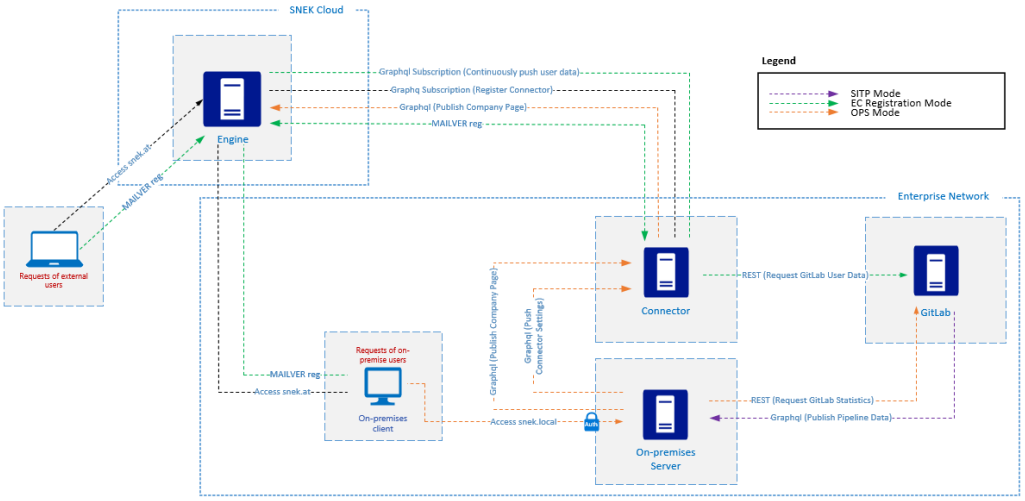
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

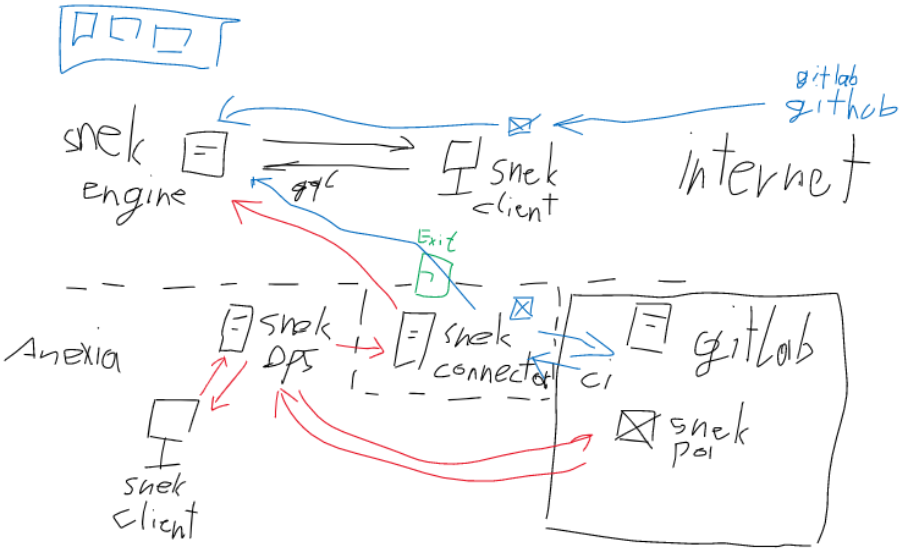
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

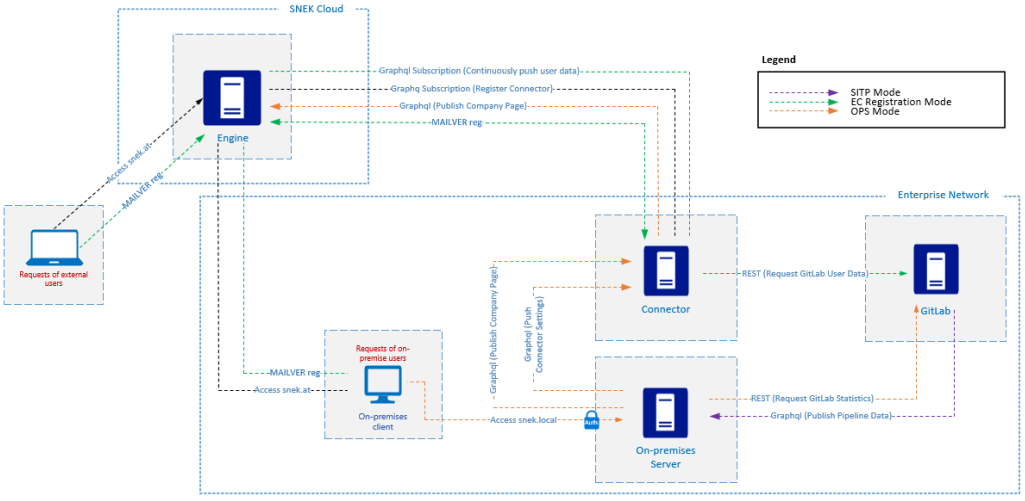
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

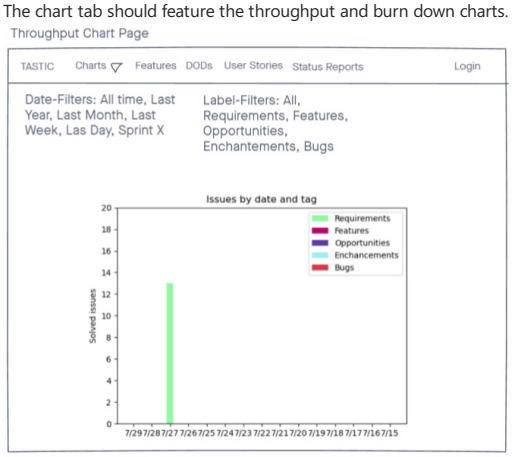
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

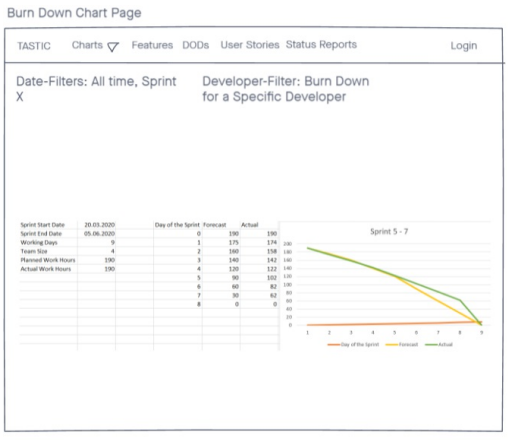
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

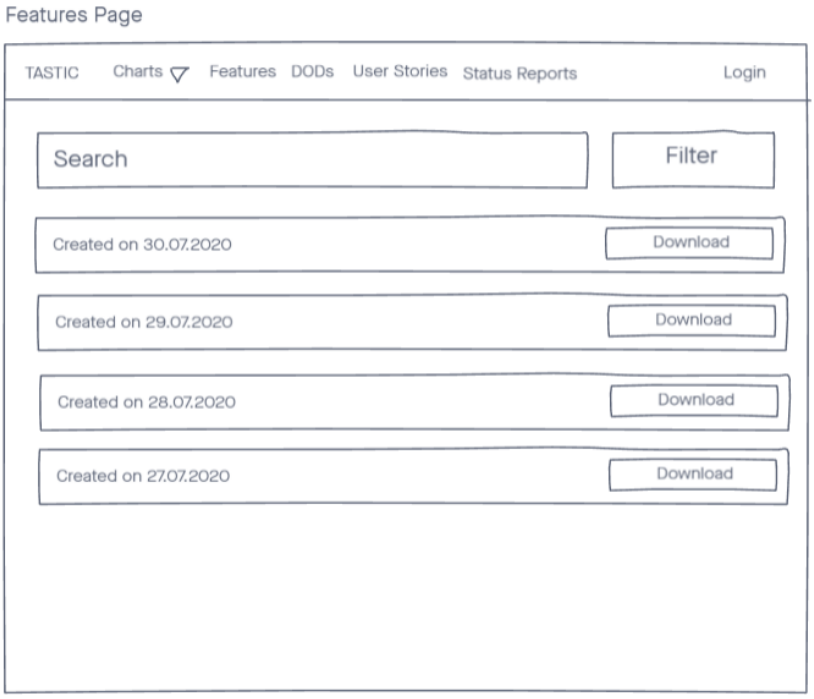
Charts Pages
The chart tab should feature the throughput and burn down charts.





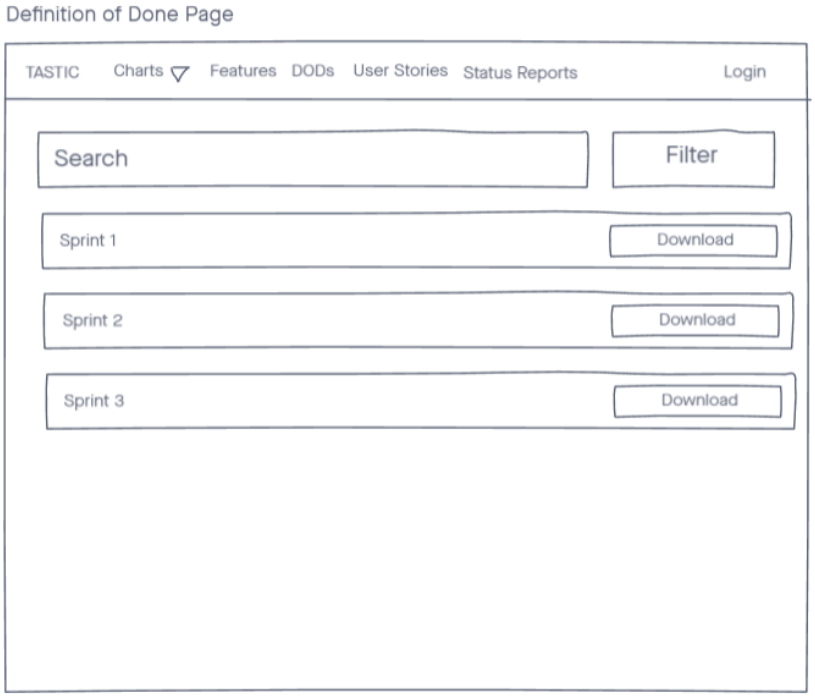
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

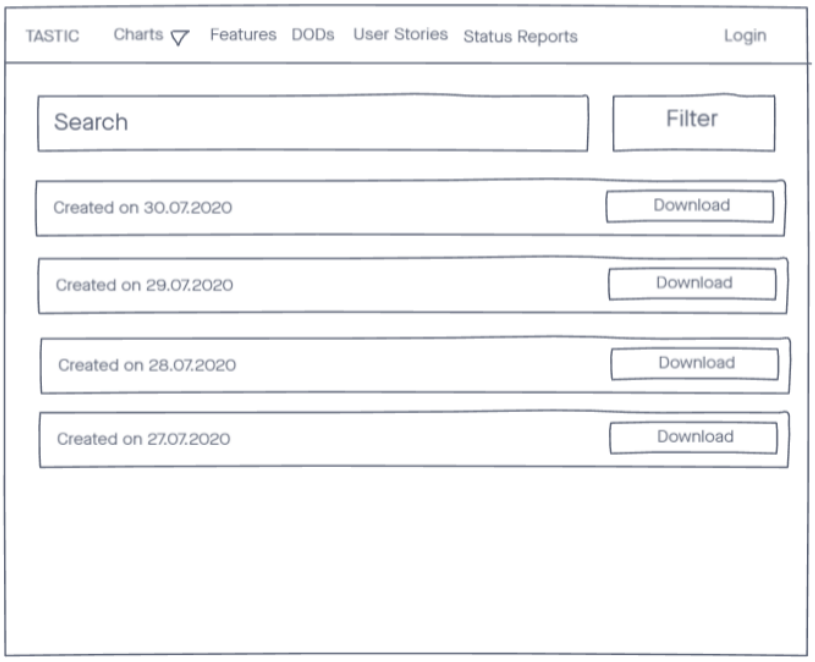
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

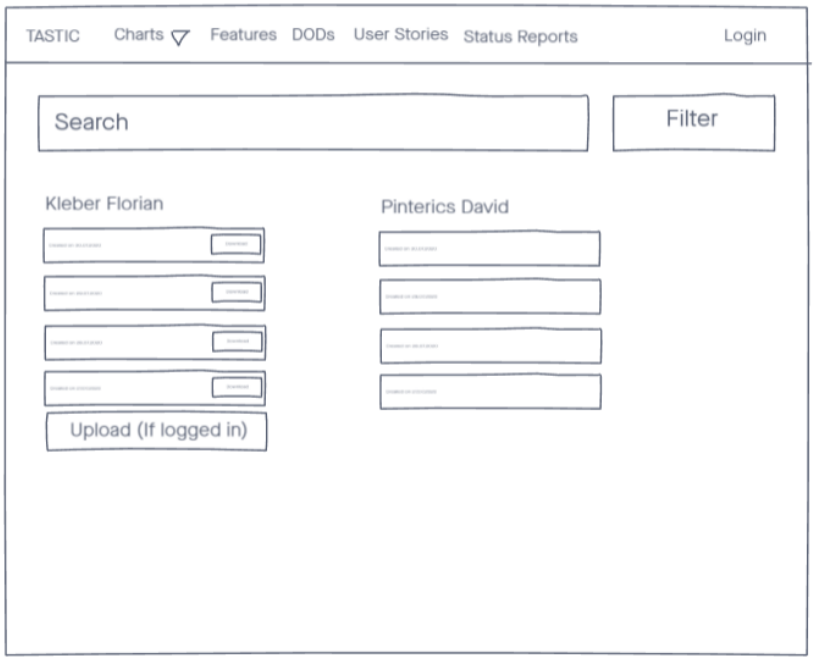
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

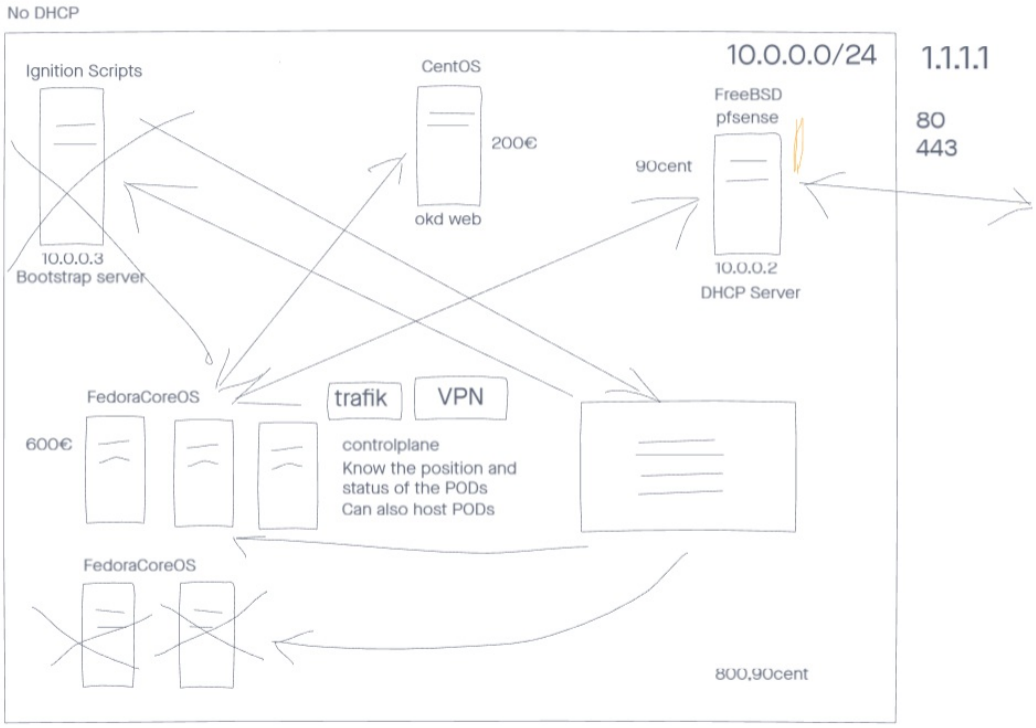
13 Basic On-Premise Server

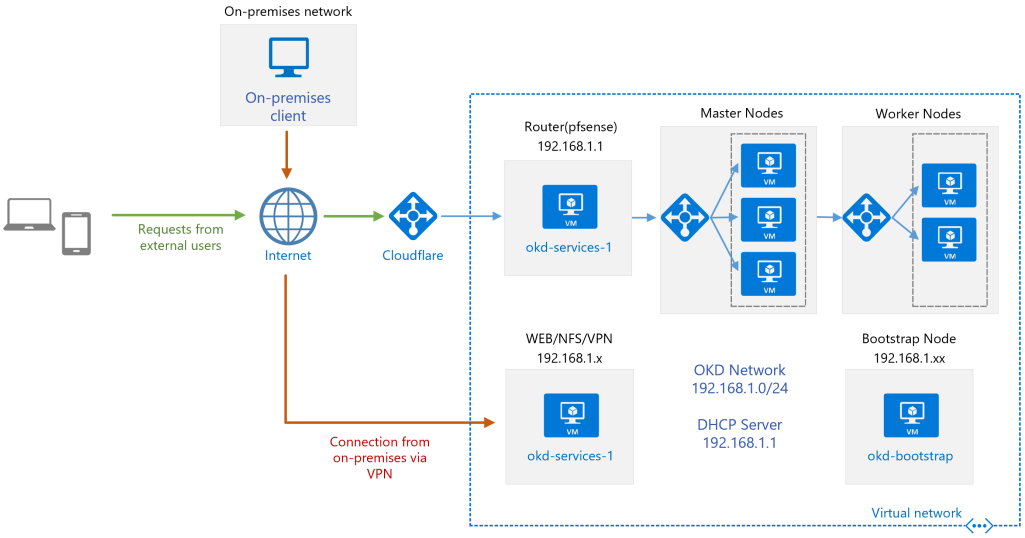
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

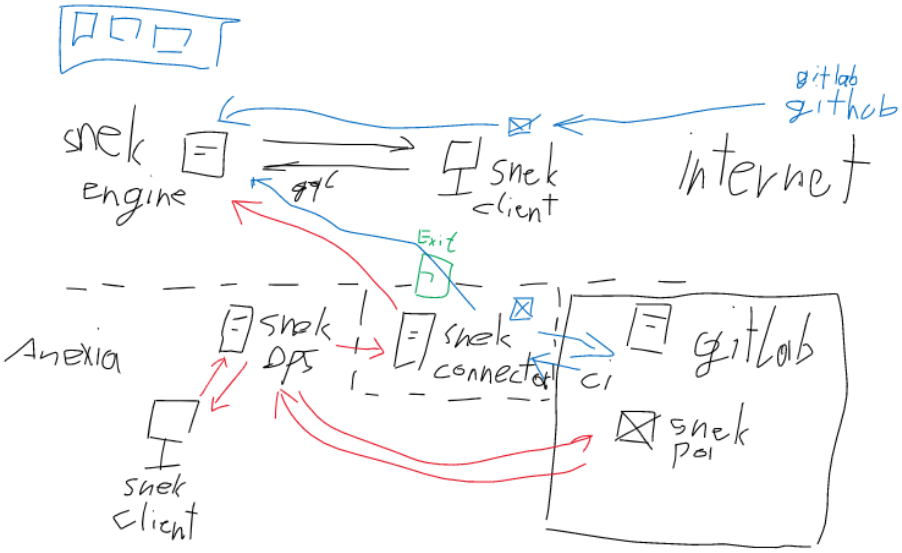
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

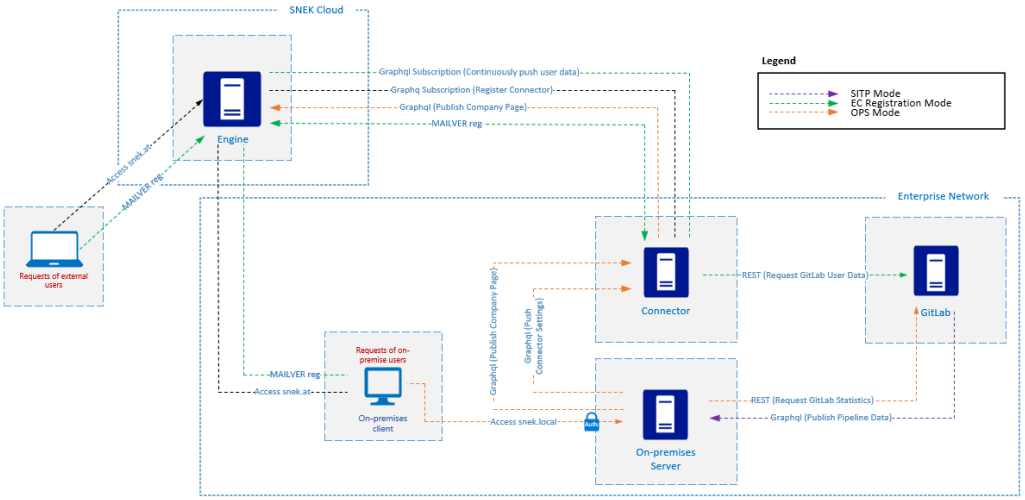
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

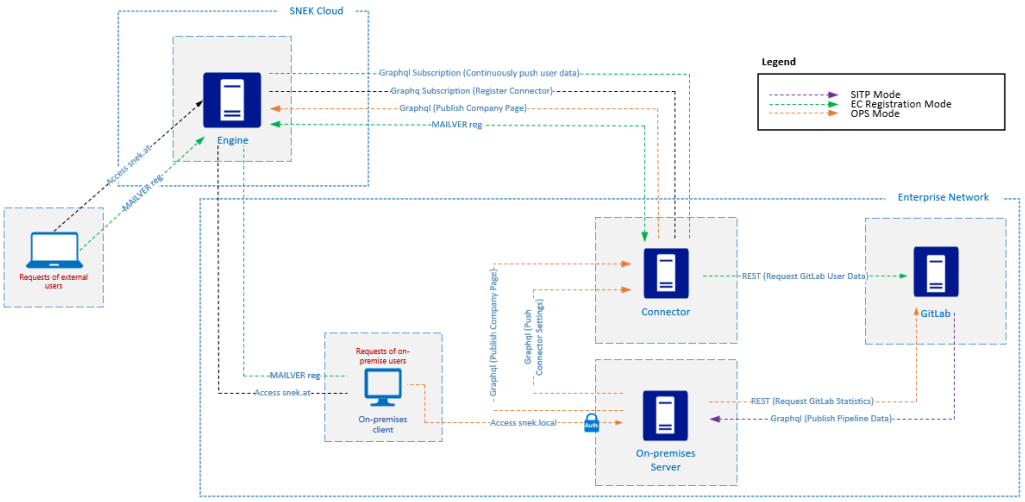
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

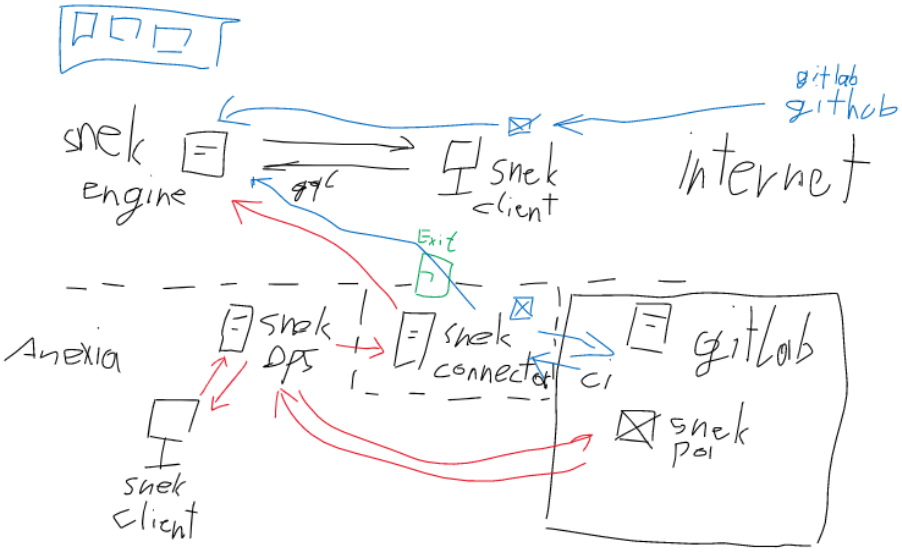
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

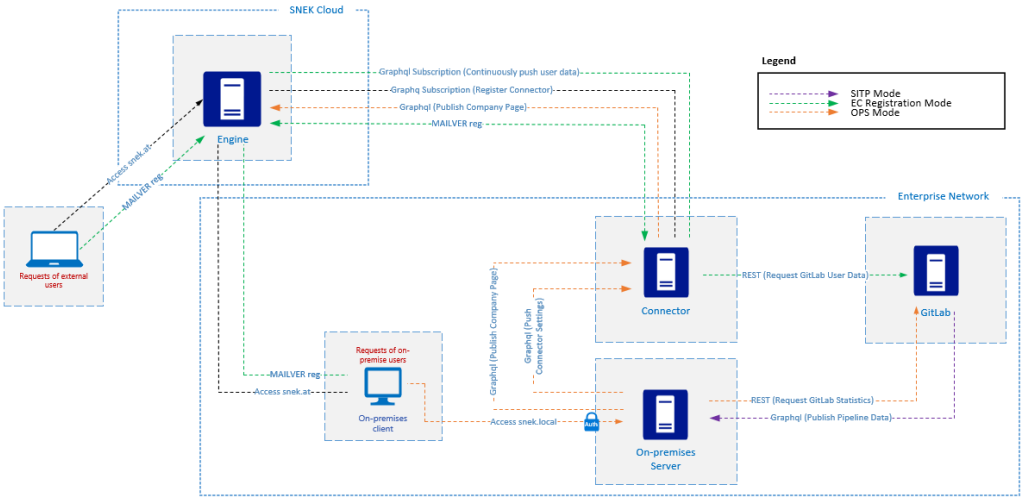
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

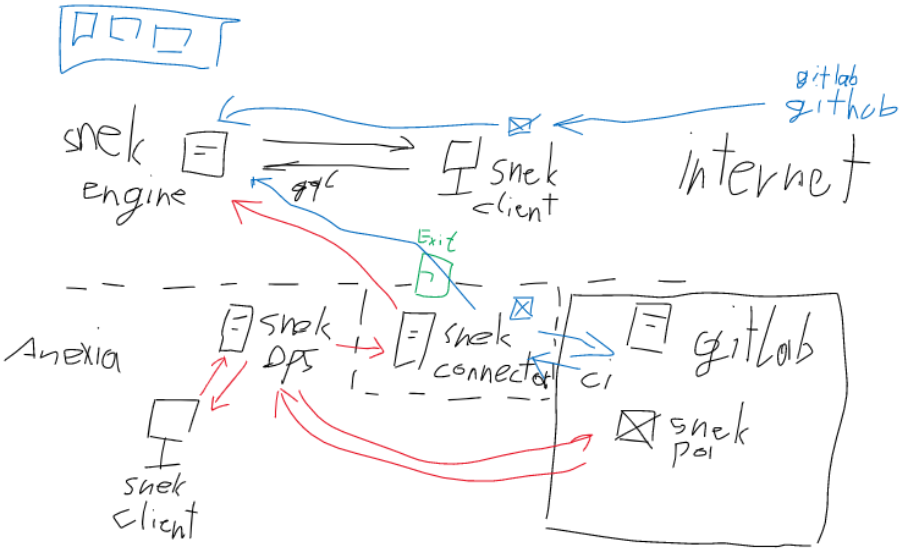
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

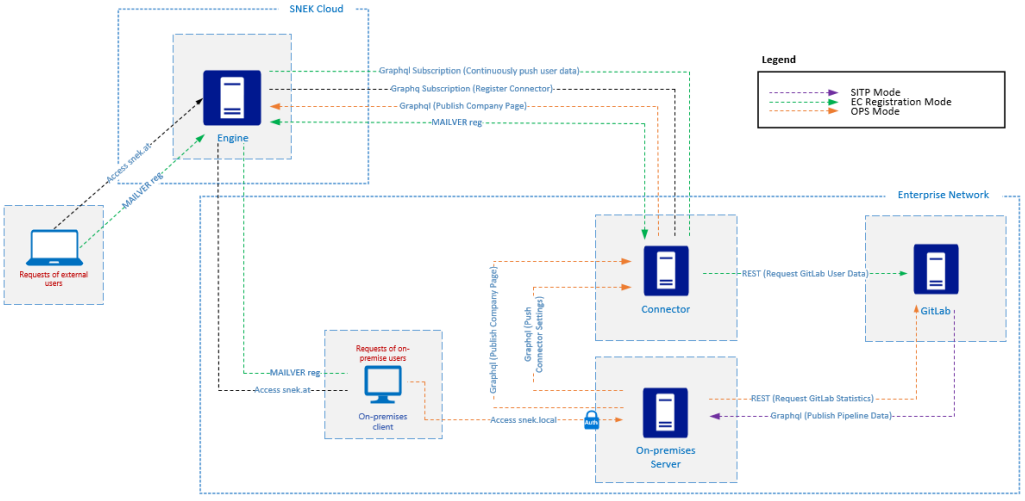
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

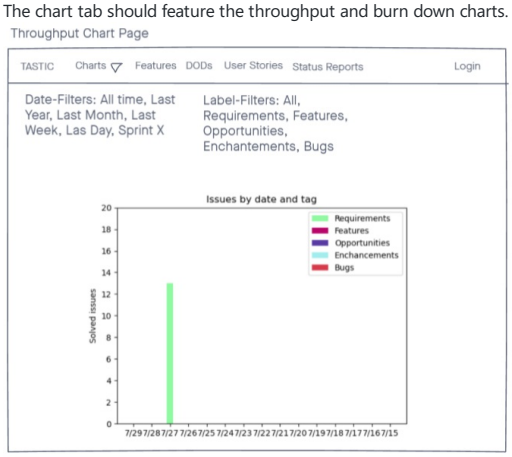
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

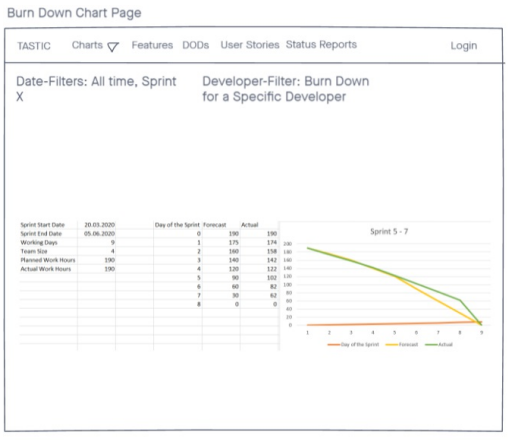
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

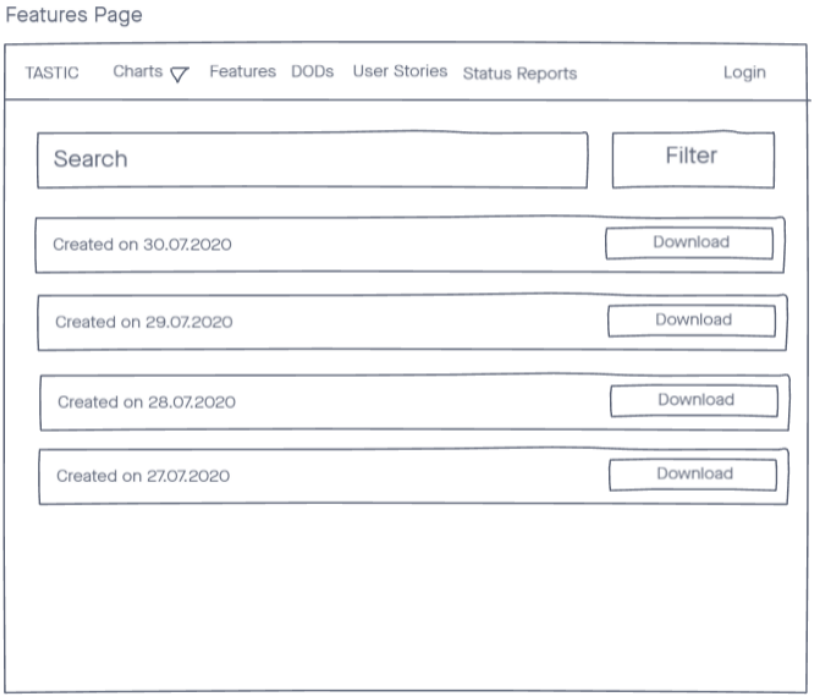
Charts Pages
The chart tab should feature the throughput and burn down charts.





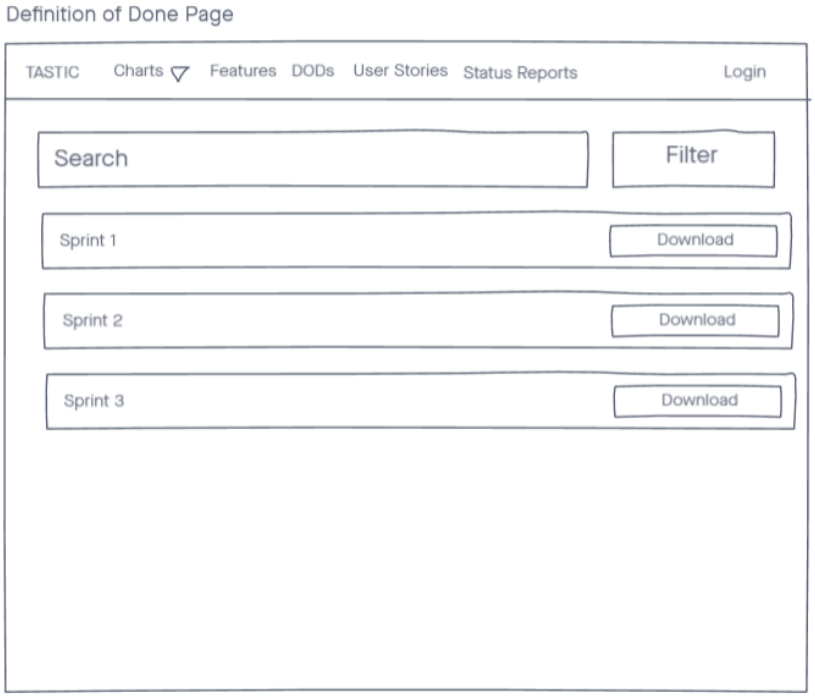
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

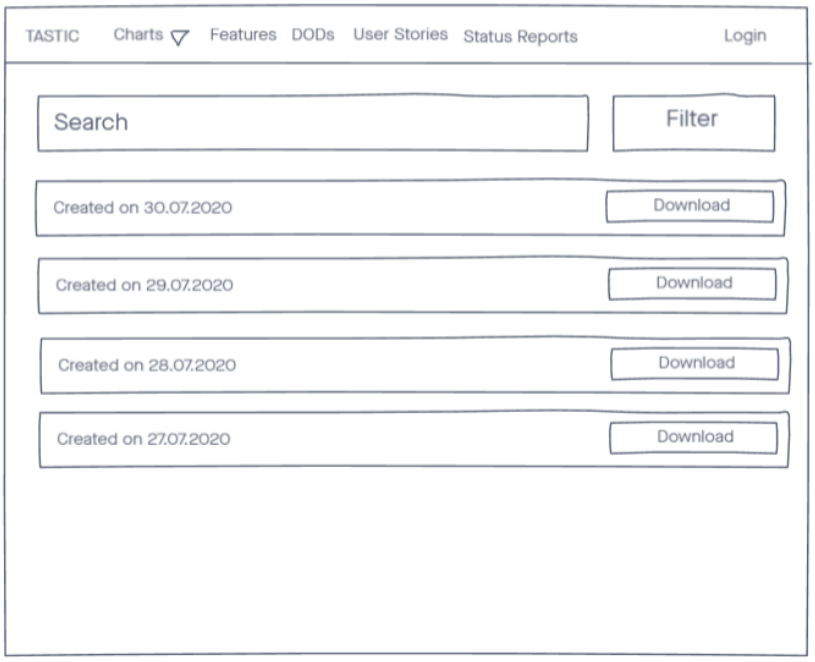
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

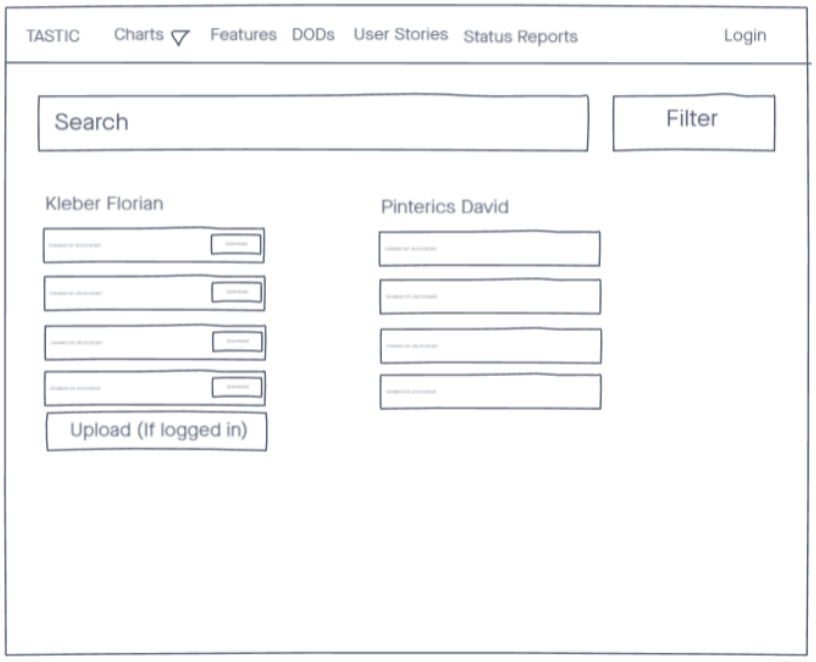
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

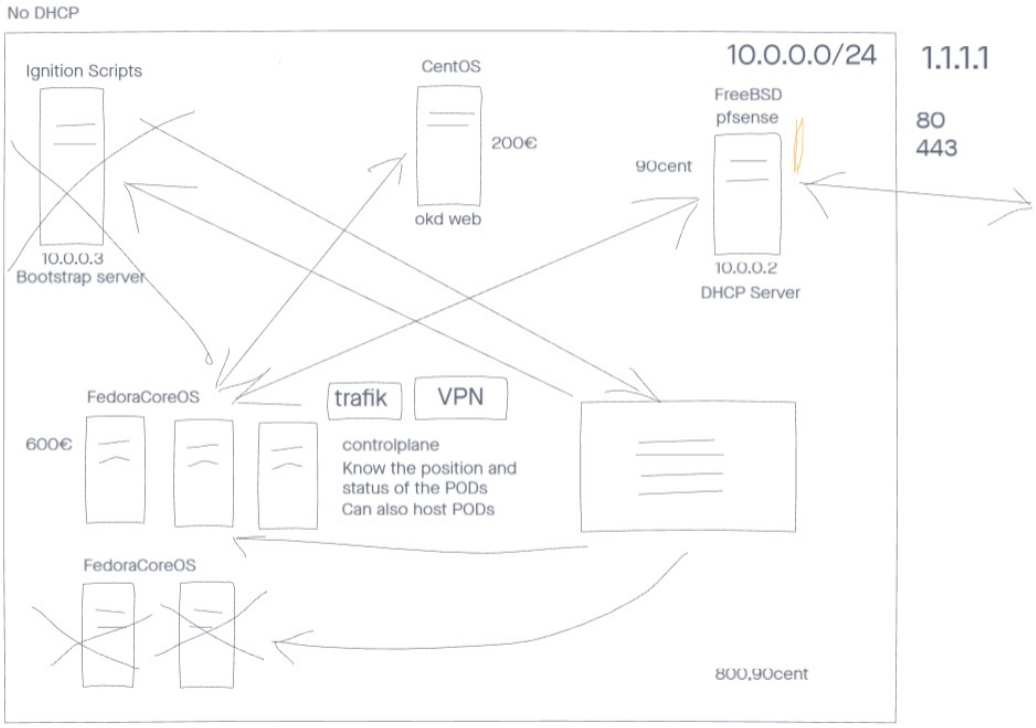
14 Microsoft OAuth

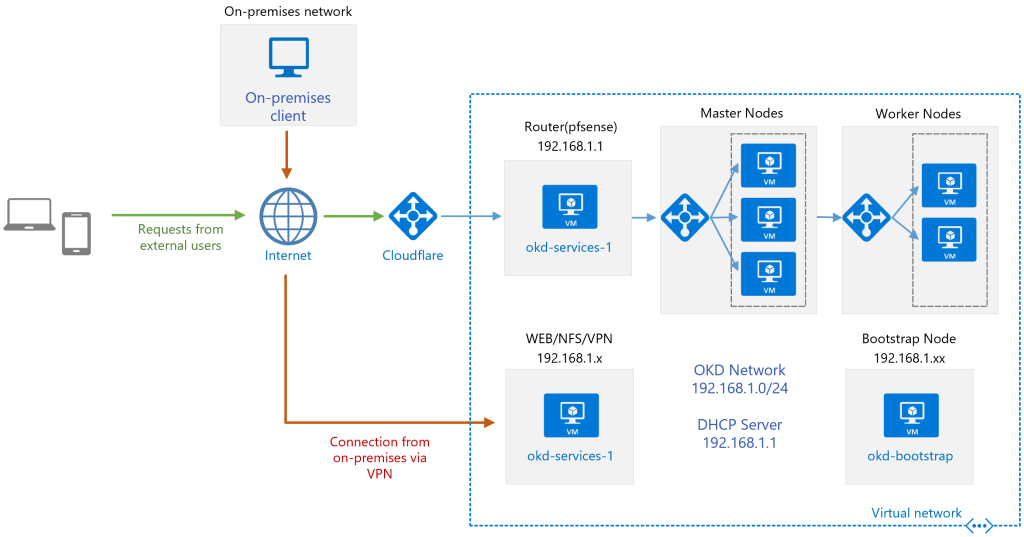
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

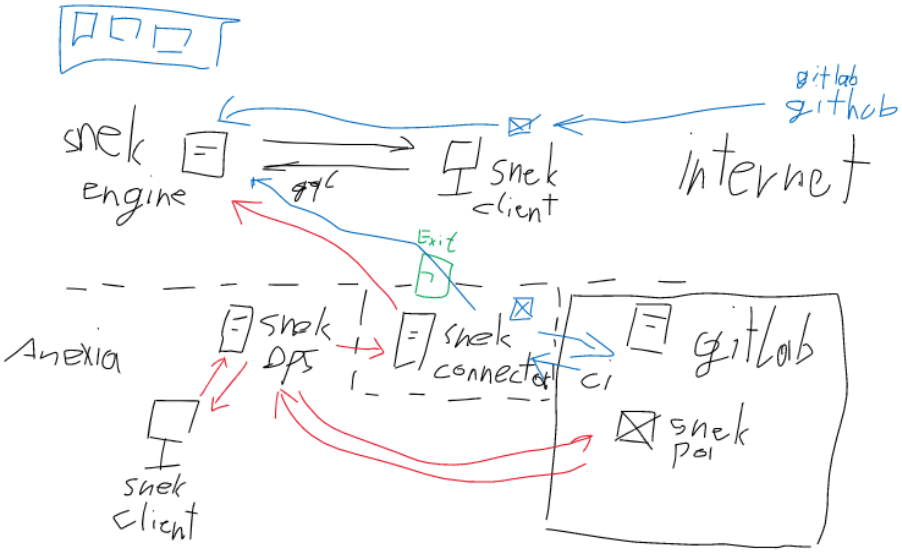
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

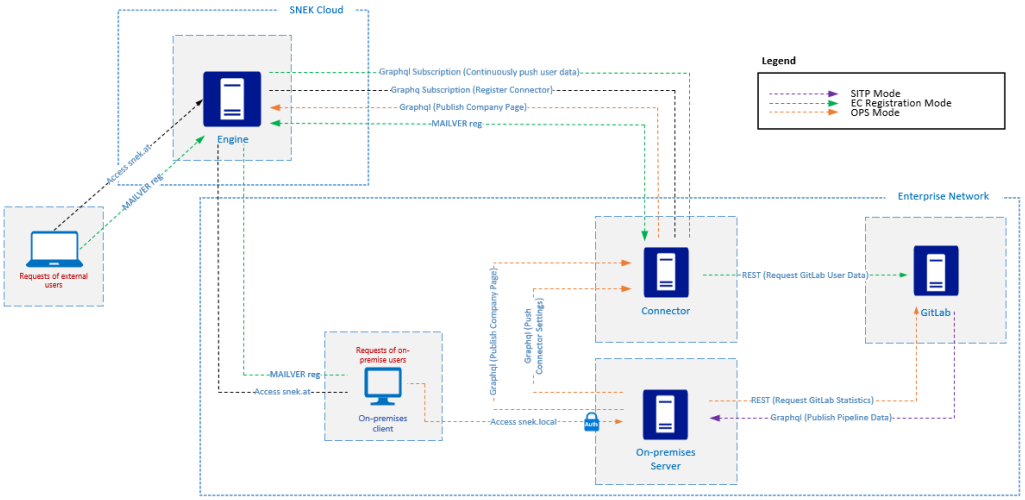
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

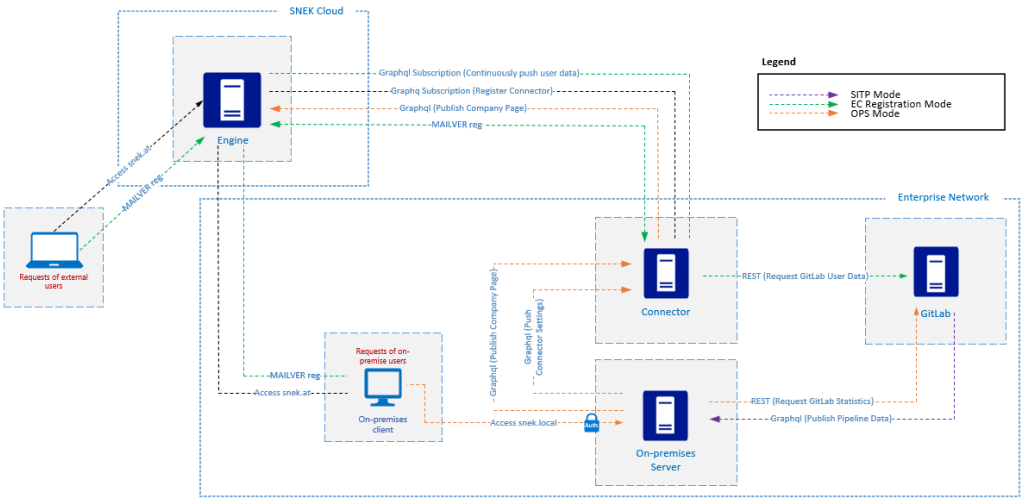
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

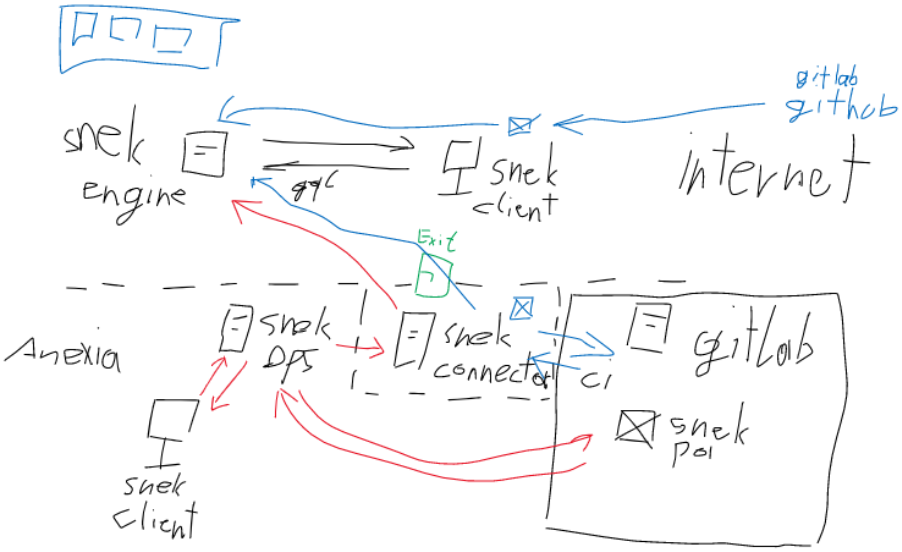
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

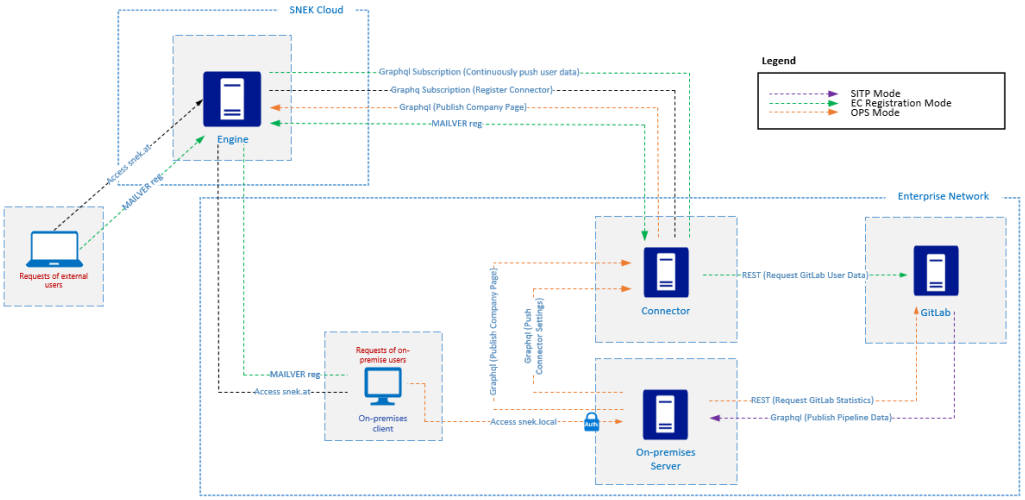
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

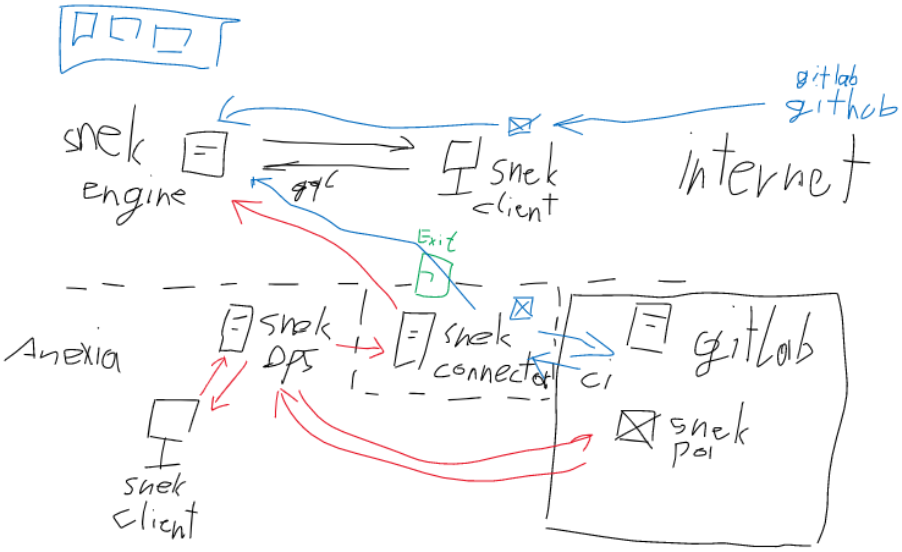
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

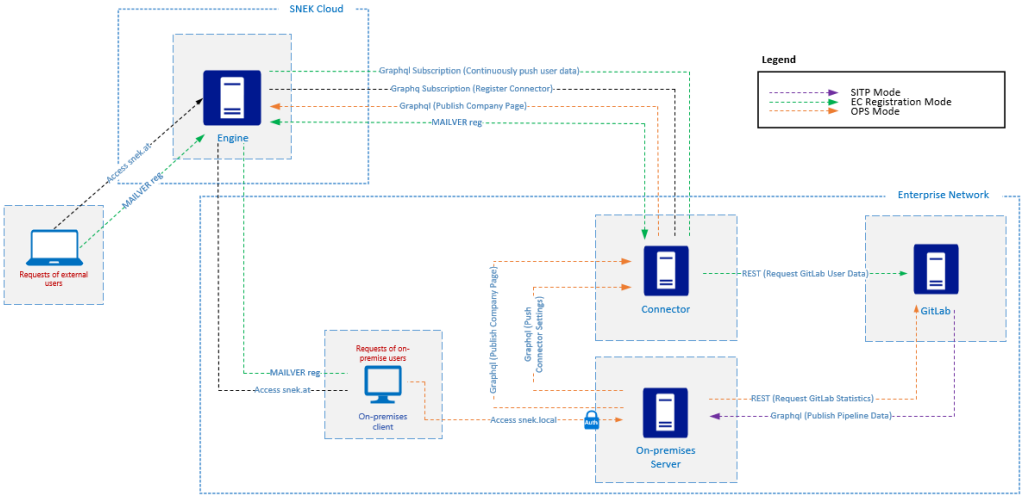
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

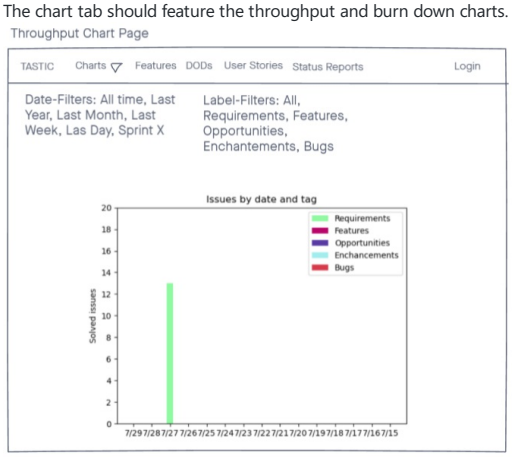
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

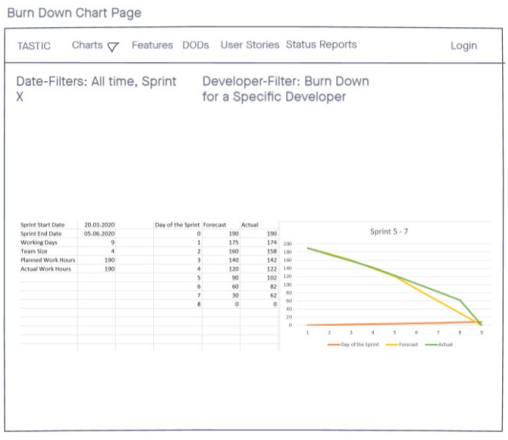
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

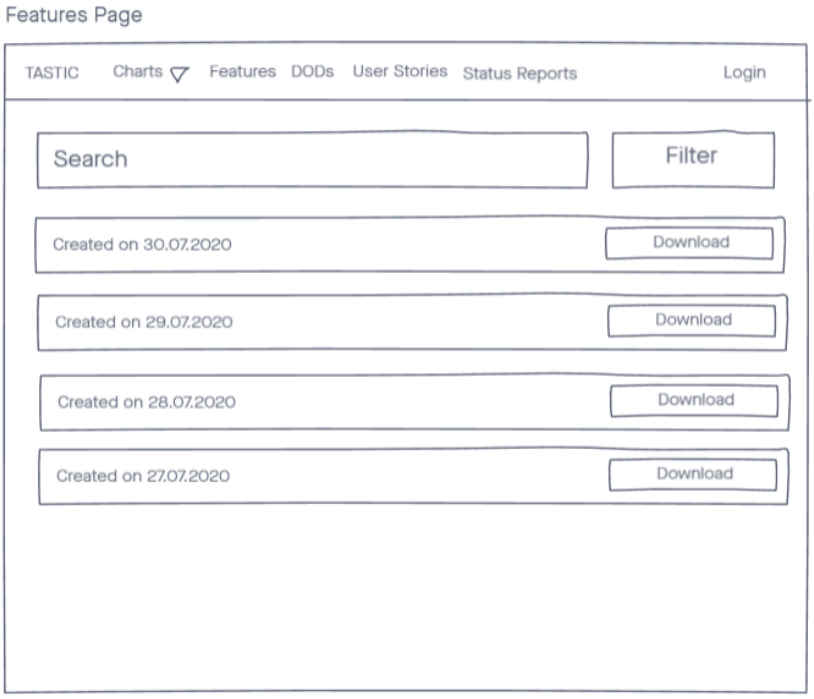
Charts Pages
The chart tab should feature the throughput and burn down charts.





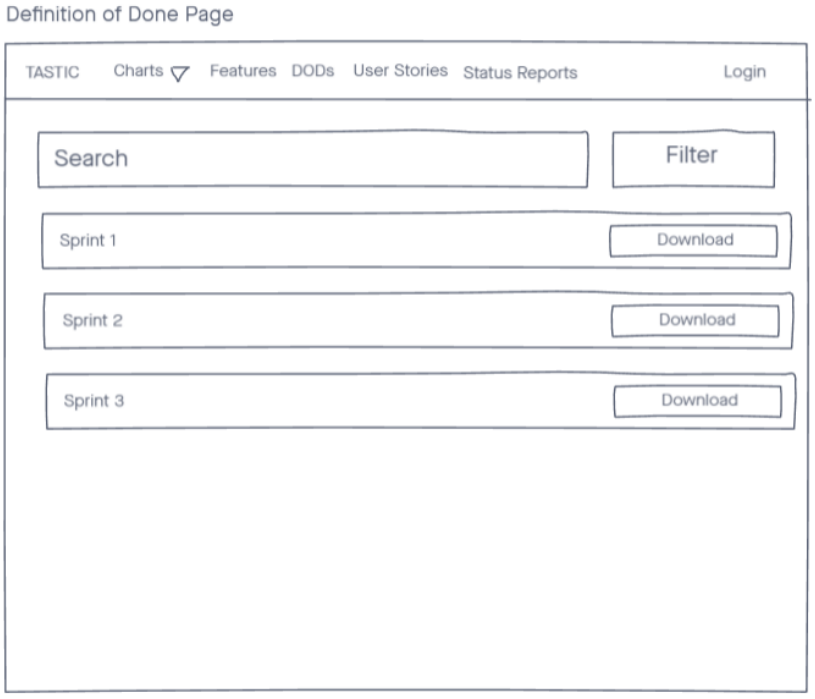
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

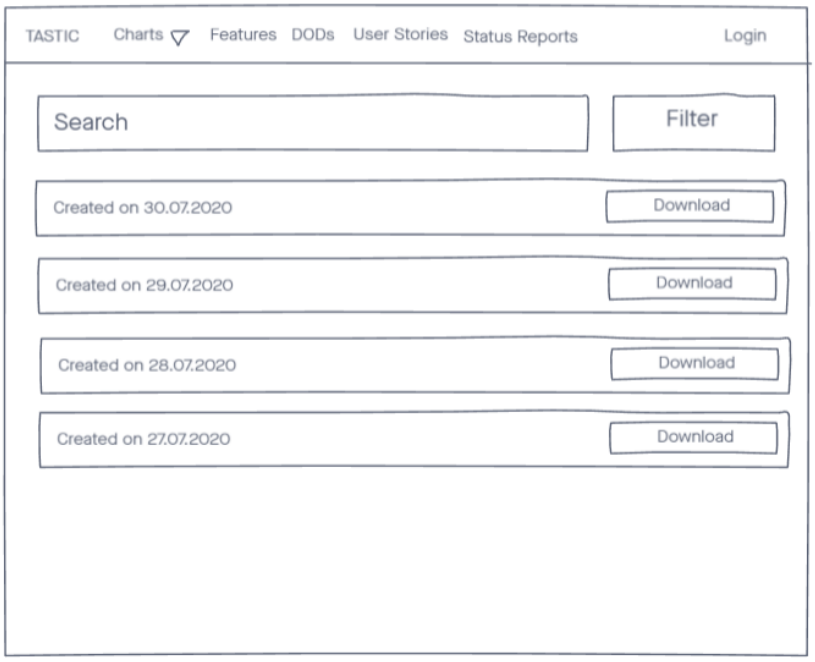
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

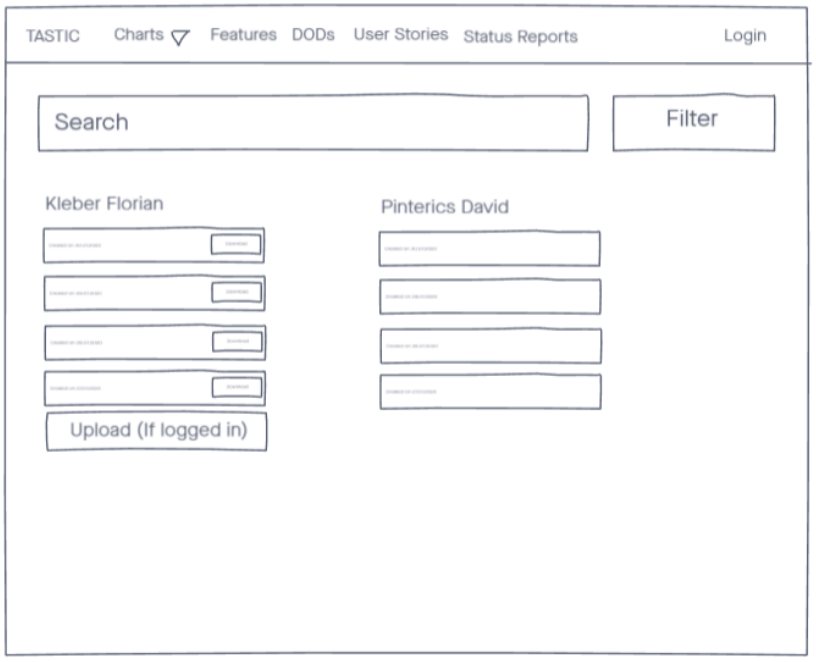
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

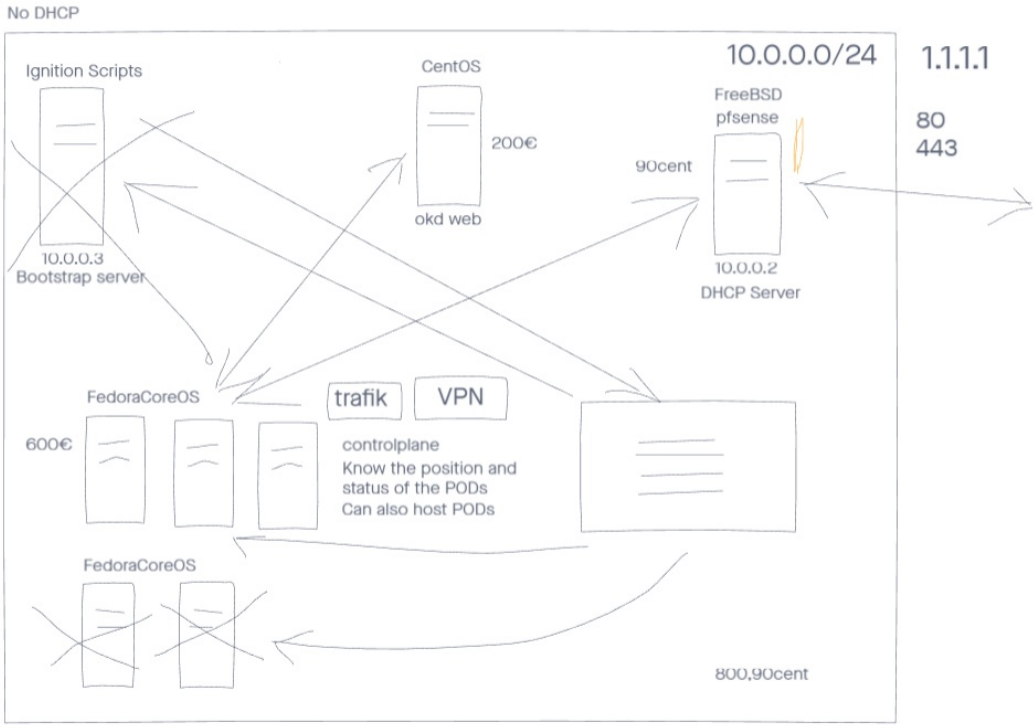
15 Google OAuth

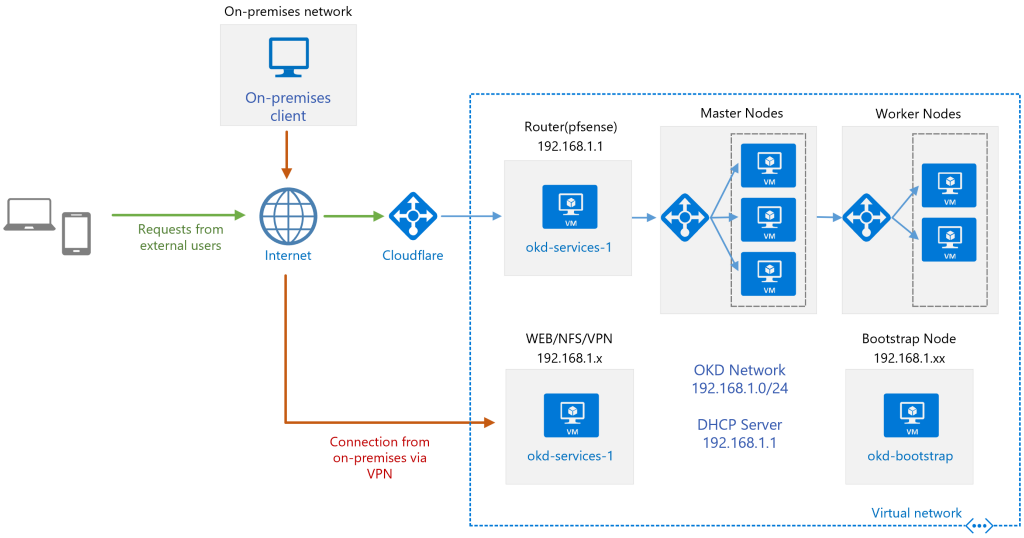
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

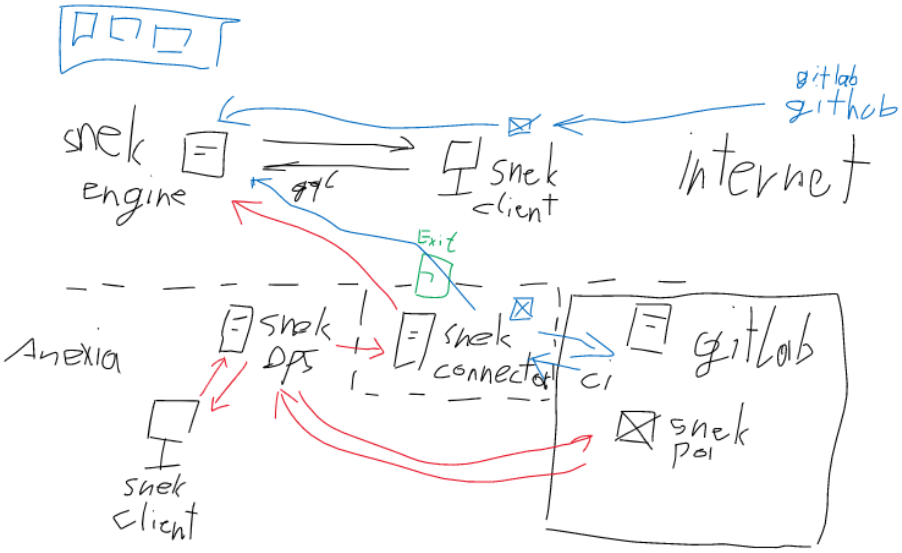
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

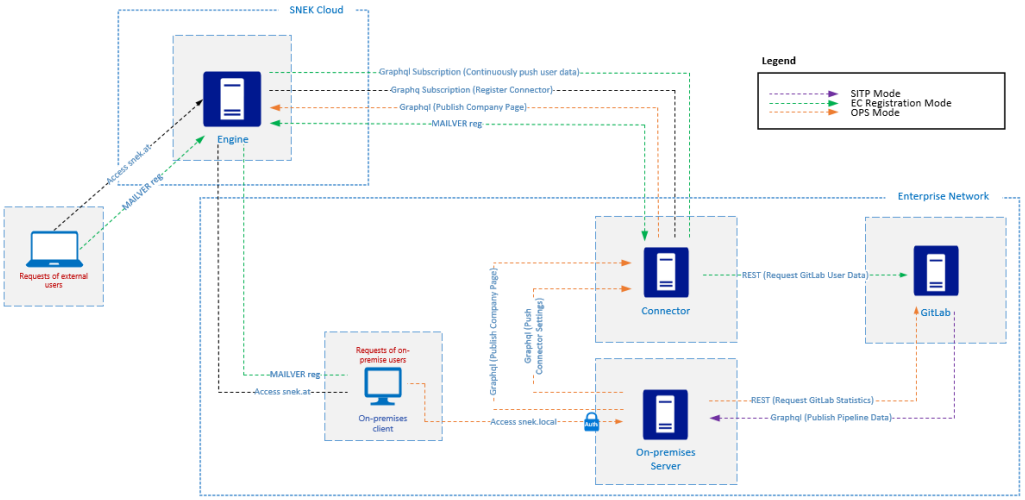
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

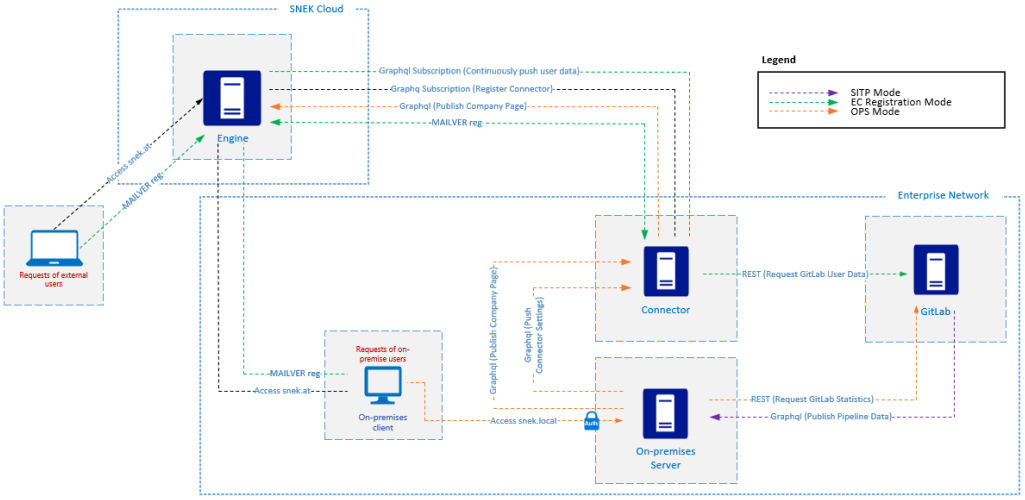
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

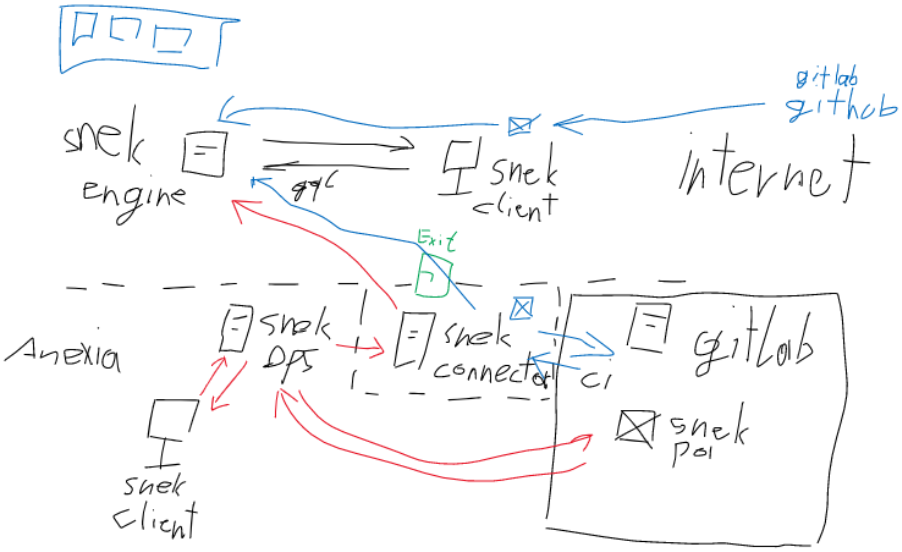
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

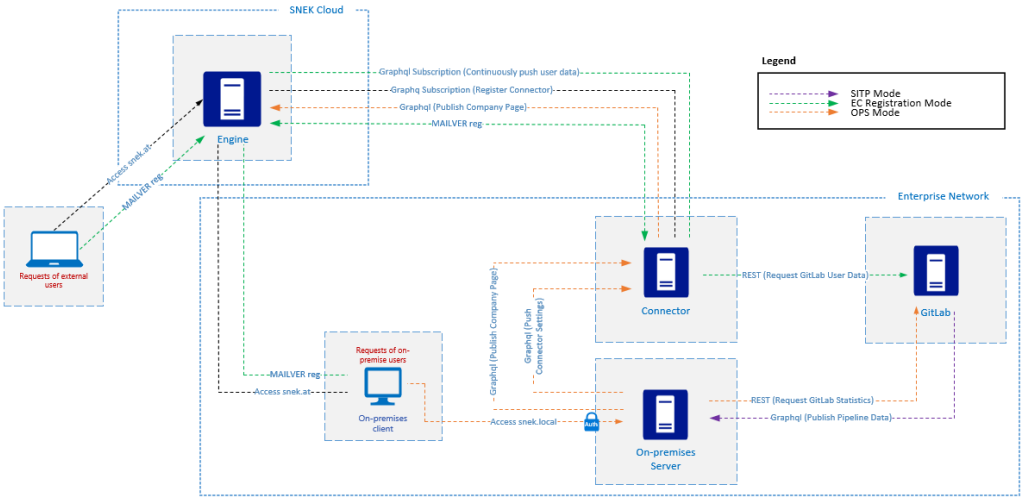
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

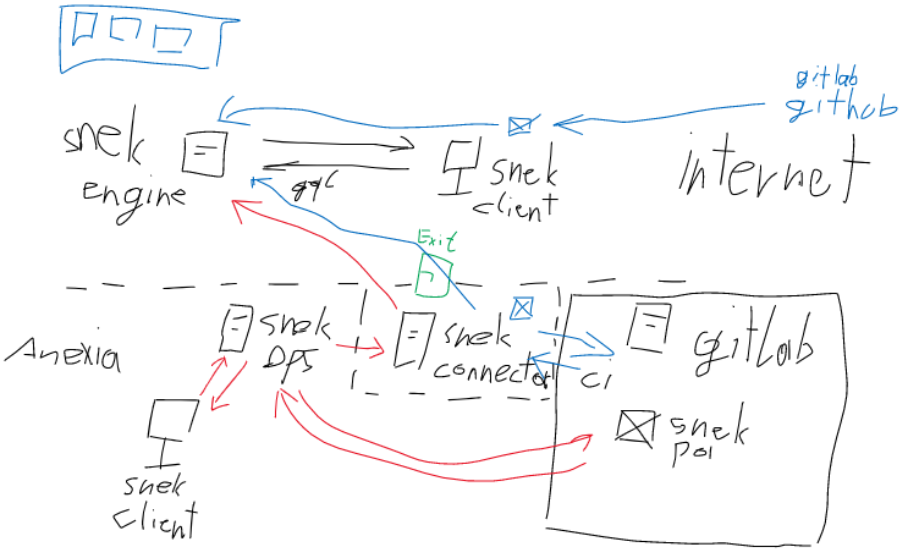
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

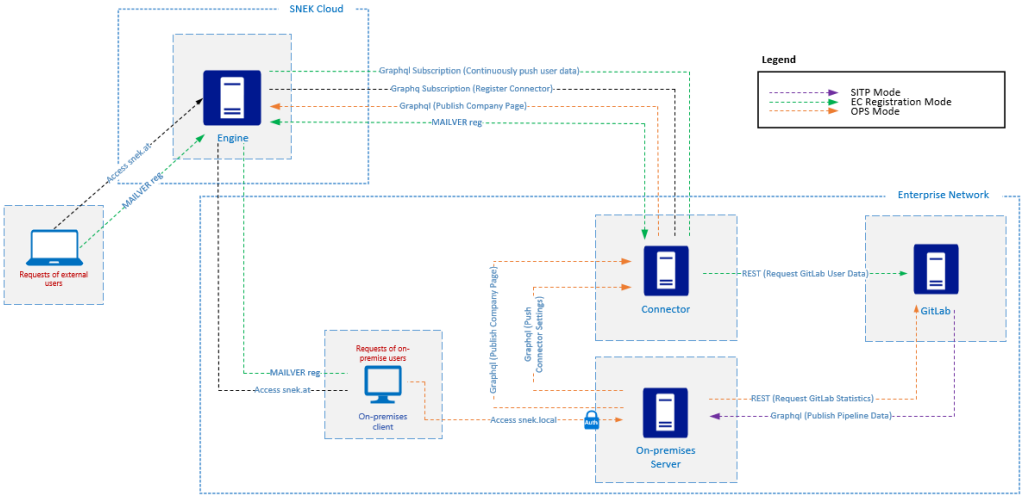
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

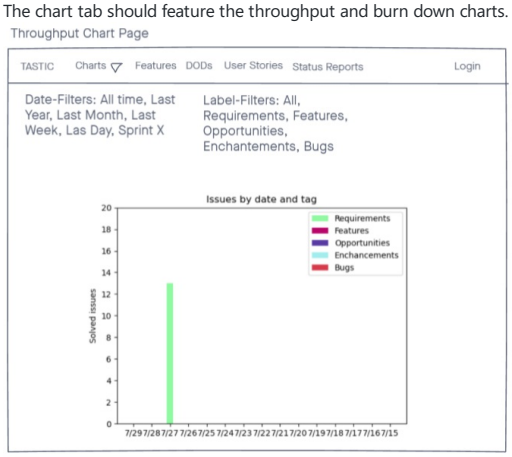
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

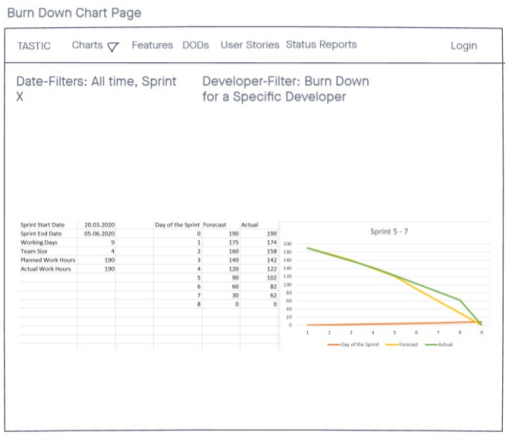
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

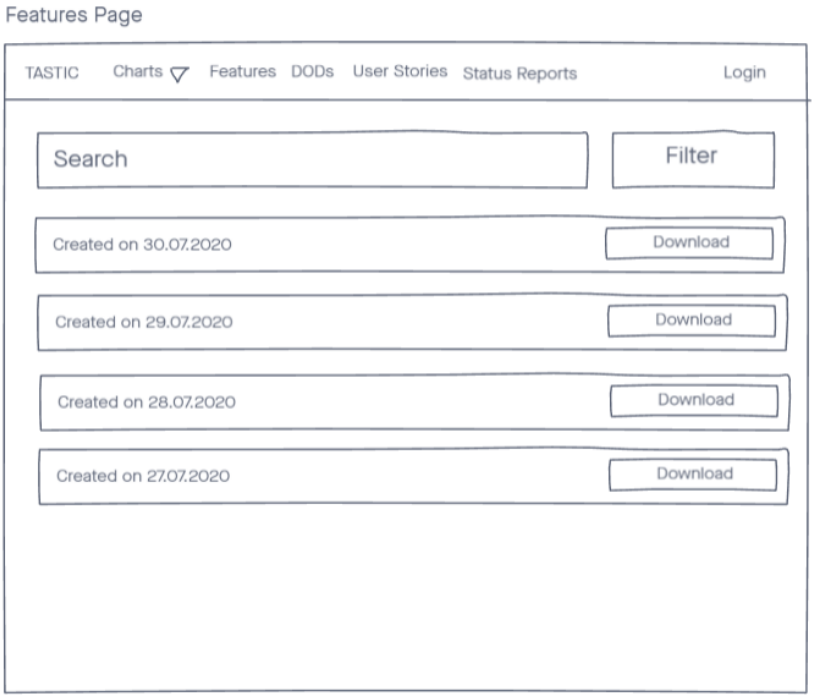
Charts Pages
The chart tab should feature the throughput and burn down charts.





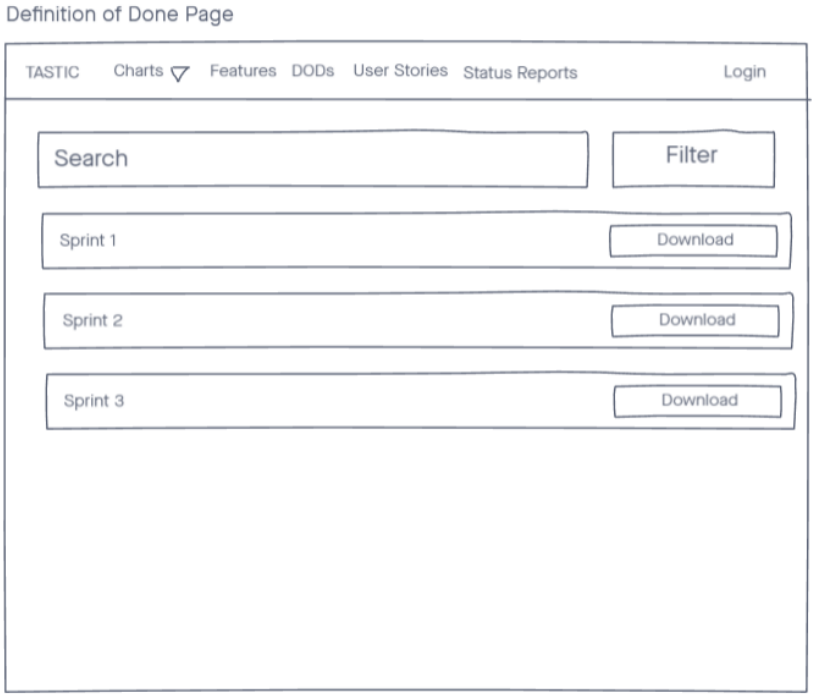
Features Page

The feature page should provide download link to PDF created by #1.



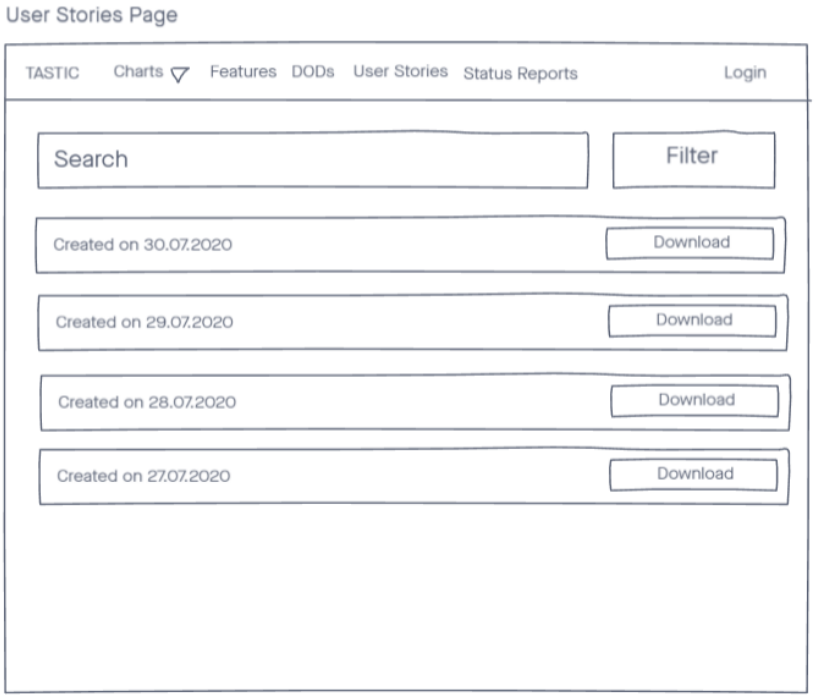
Definition of Done Page

The definition of done page should provide download link to PDF created by #1.



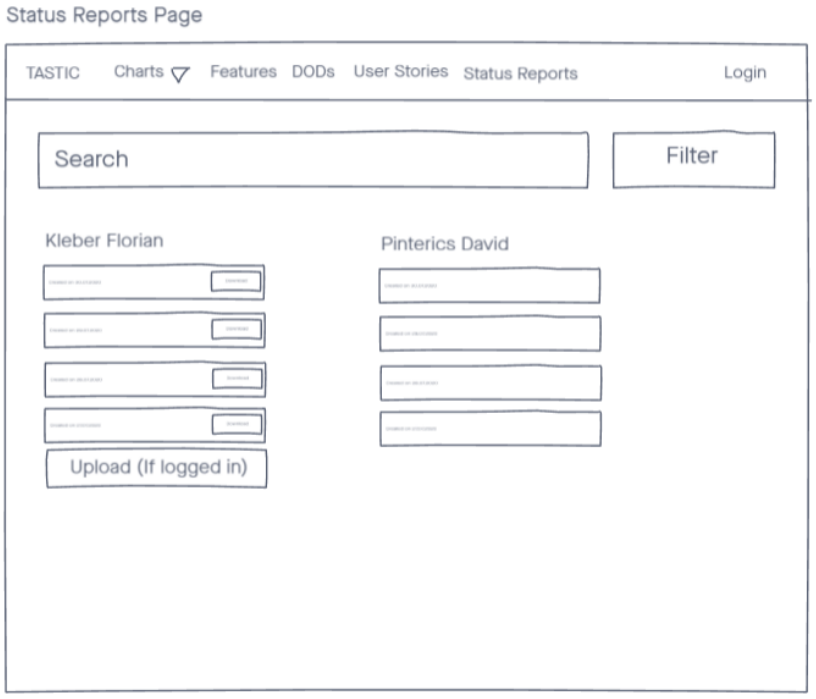
User Stories Page

The user stories page should provide download link to PDF created by #1.



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

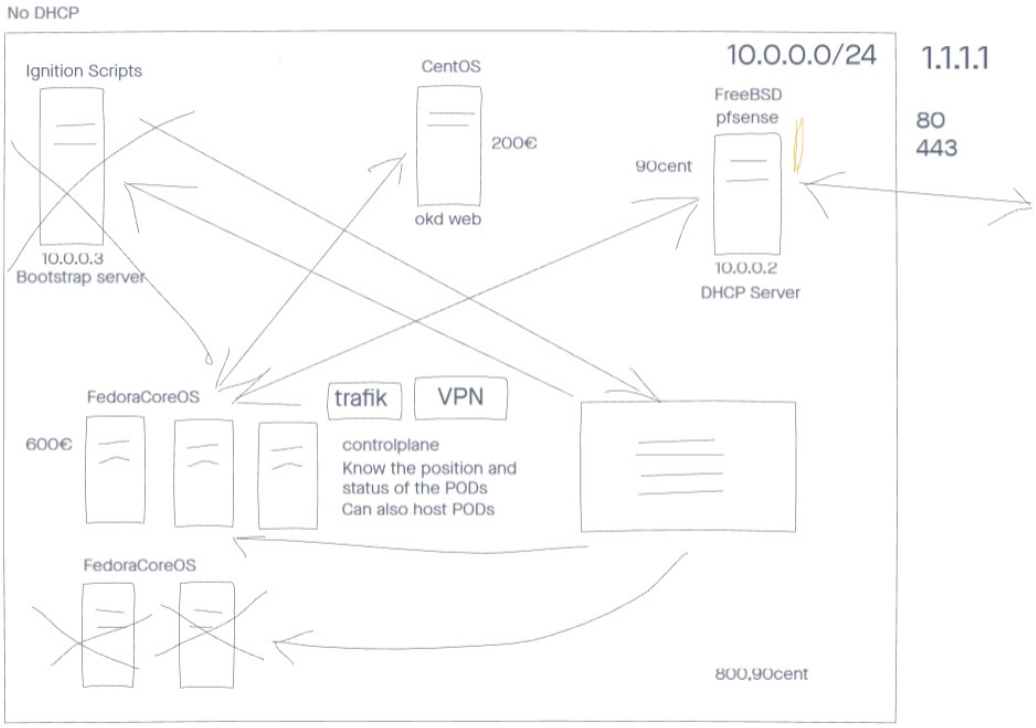
16 Snek in the Pipeline

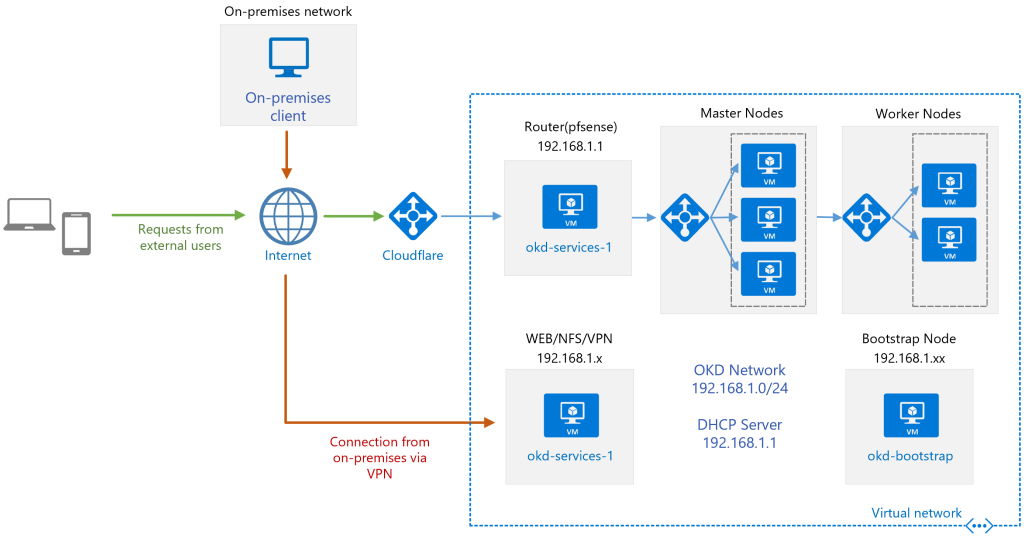
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

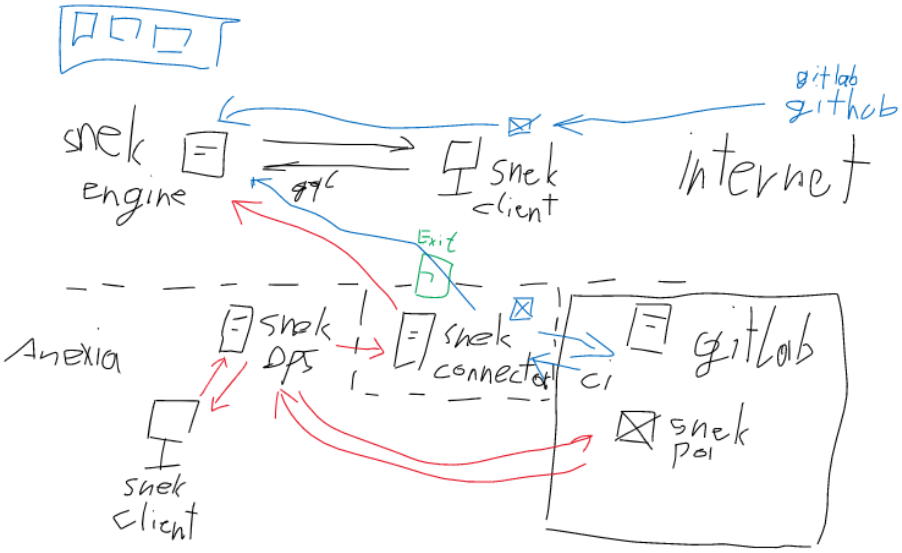
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

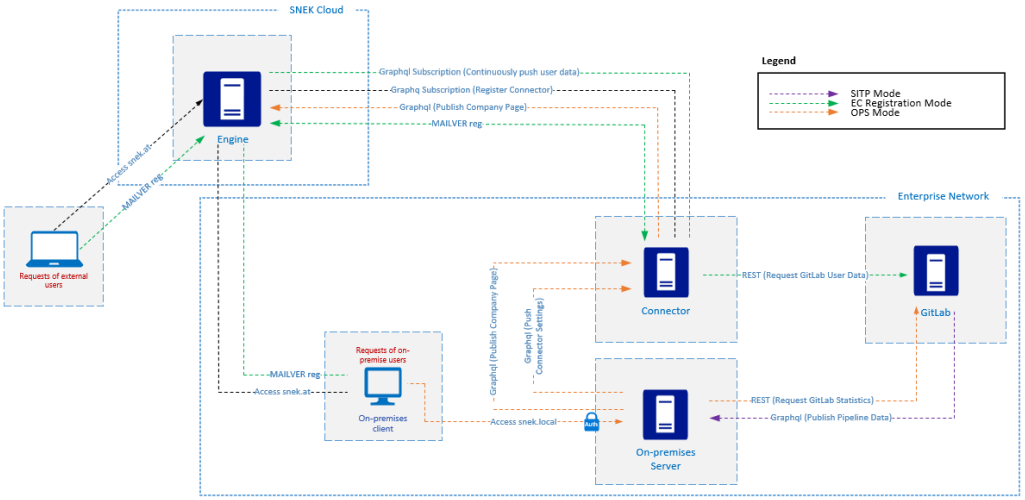
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

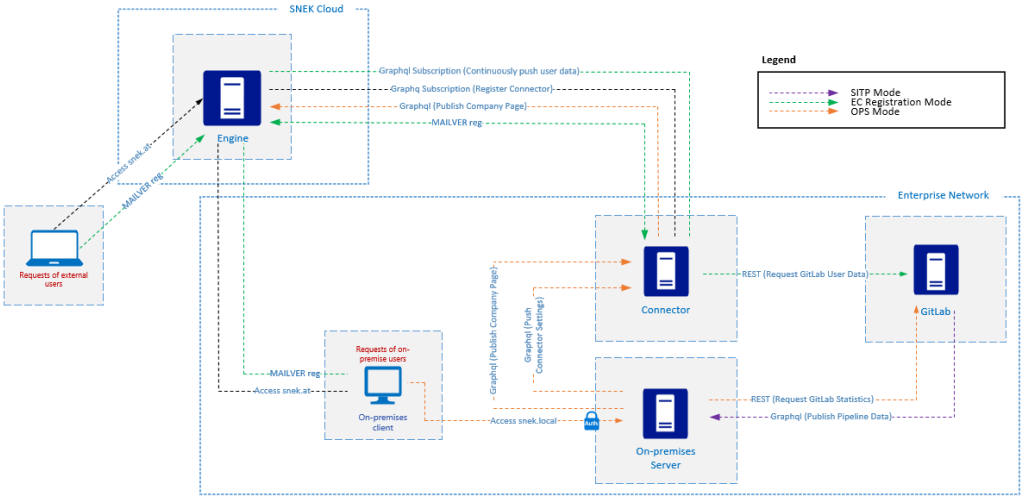
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

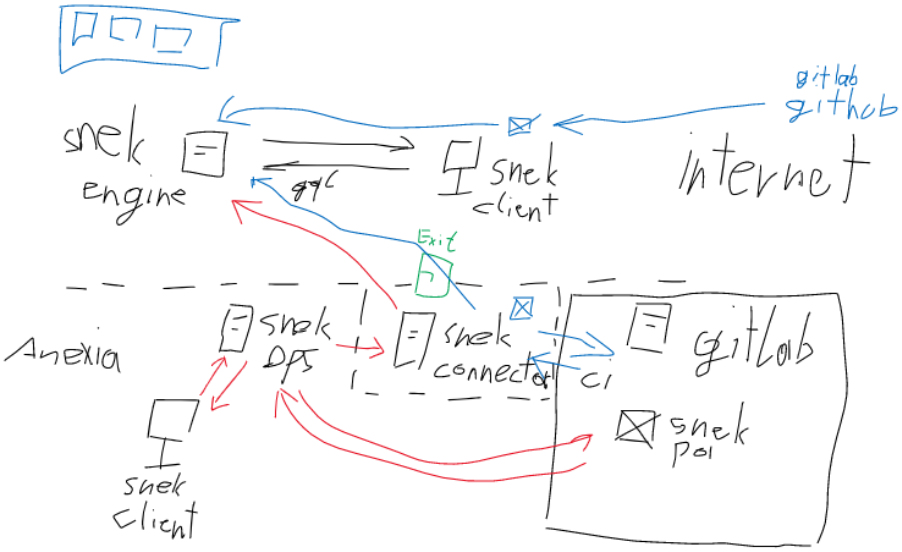
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

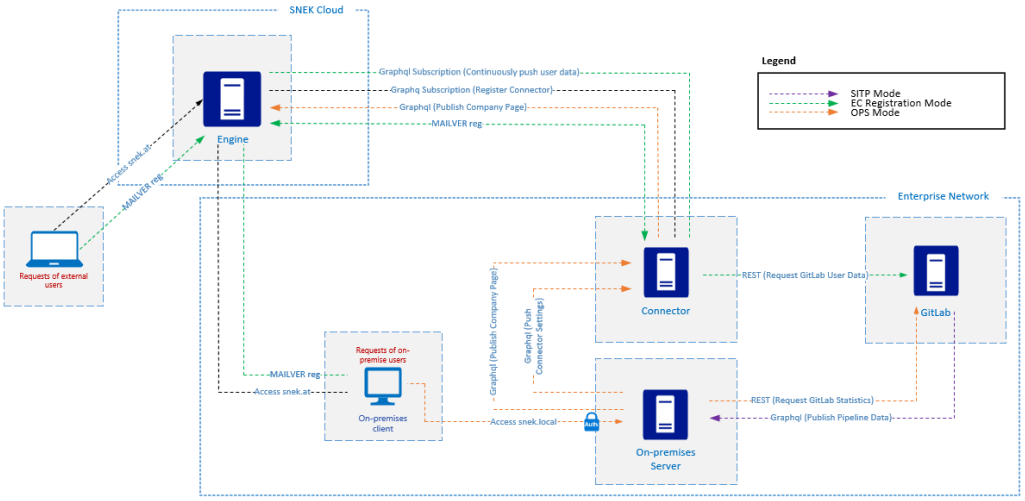
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

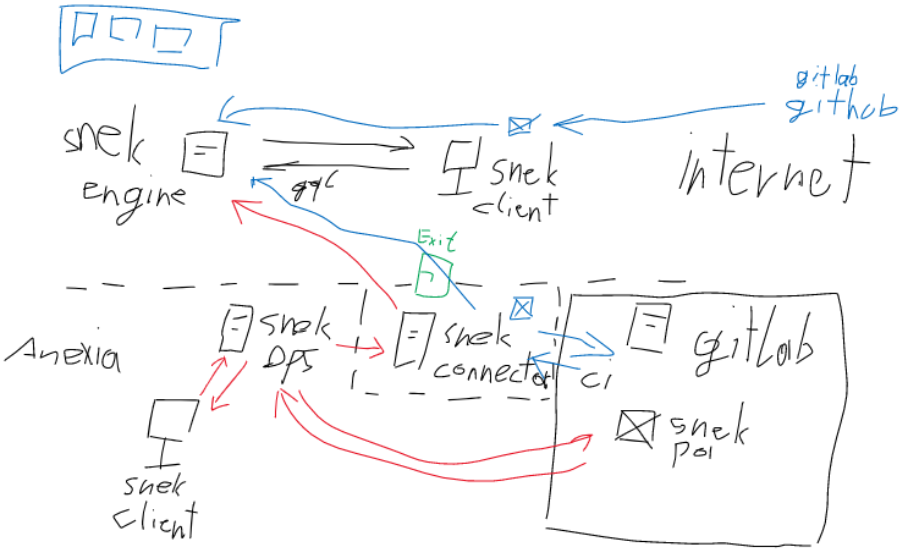
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

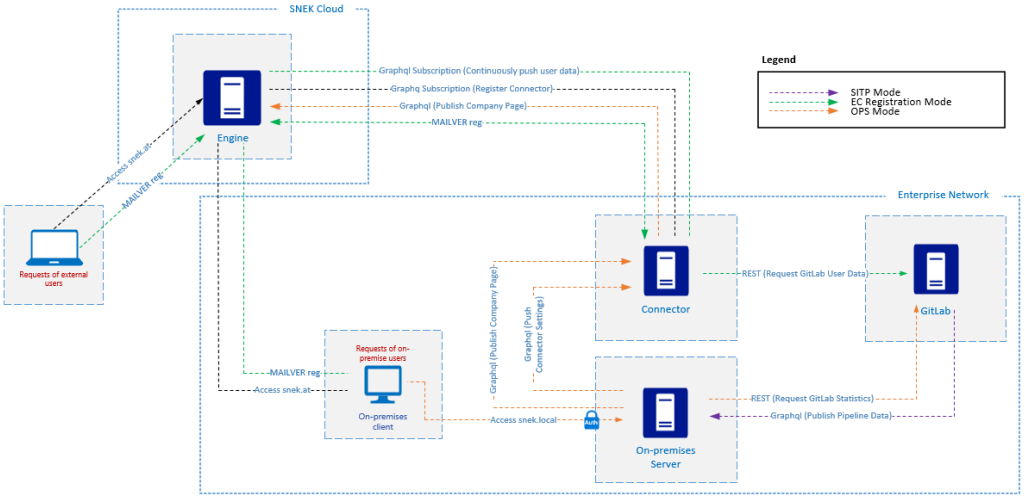
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

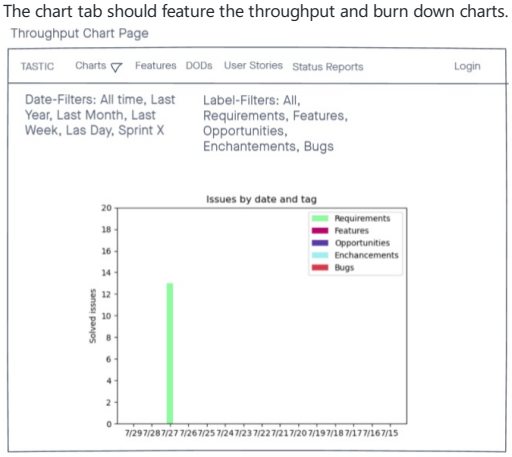
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

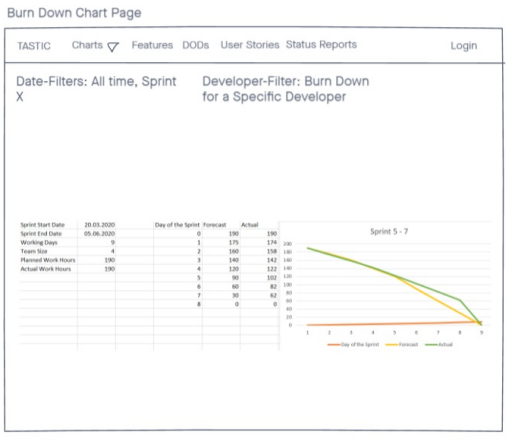
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

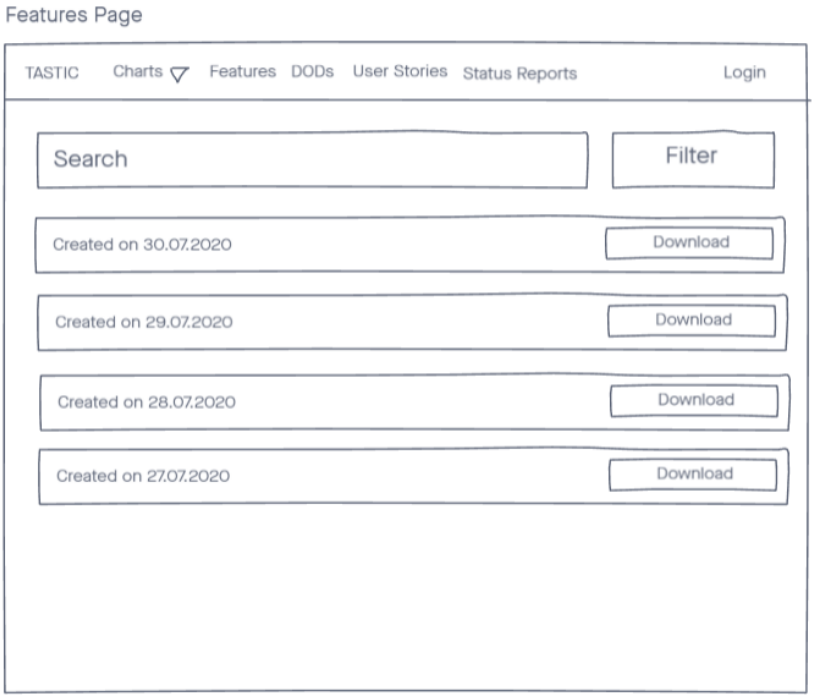
Charts Pages
The chart tab should feature the throughput and burn down charts.





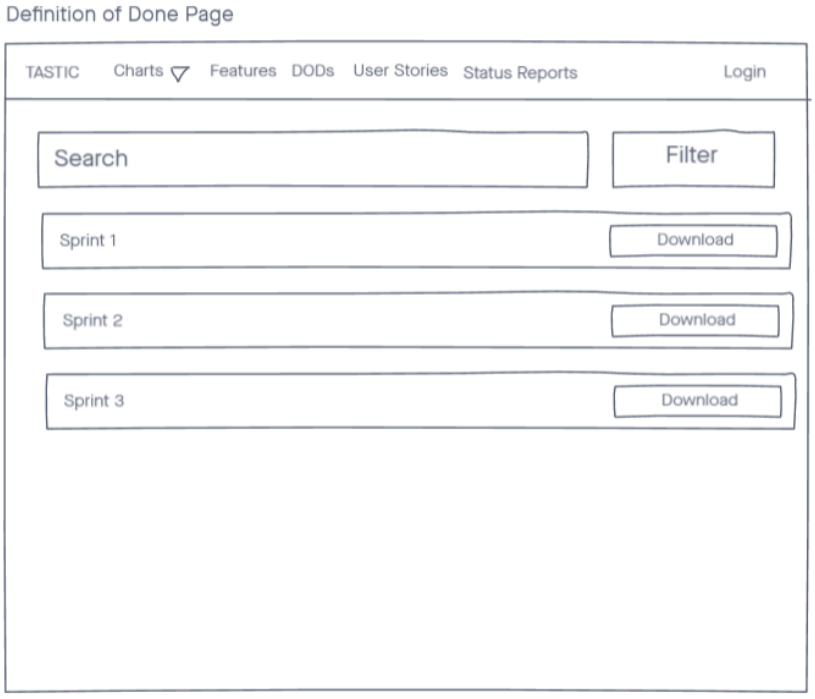
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

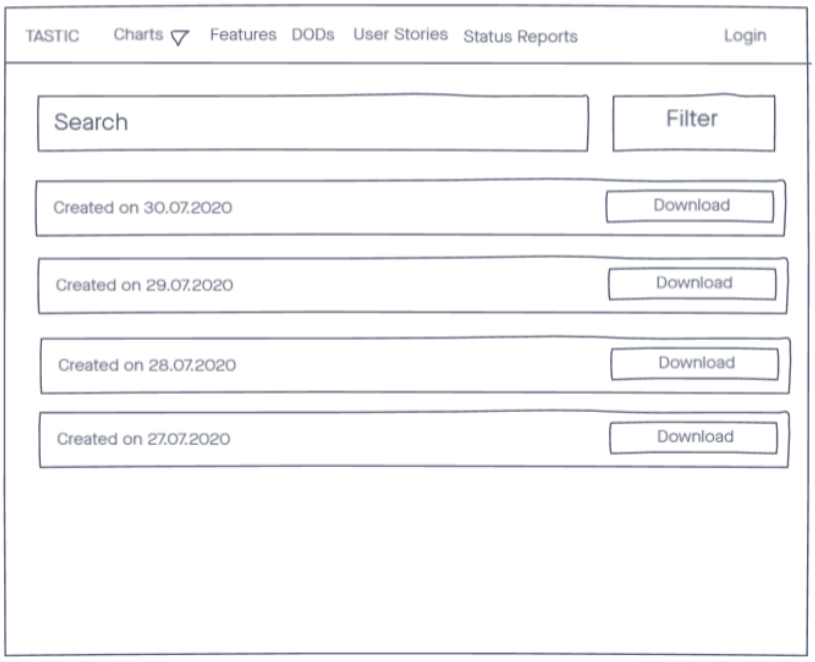
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

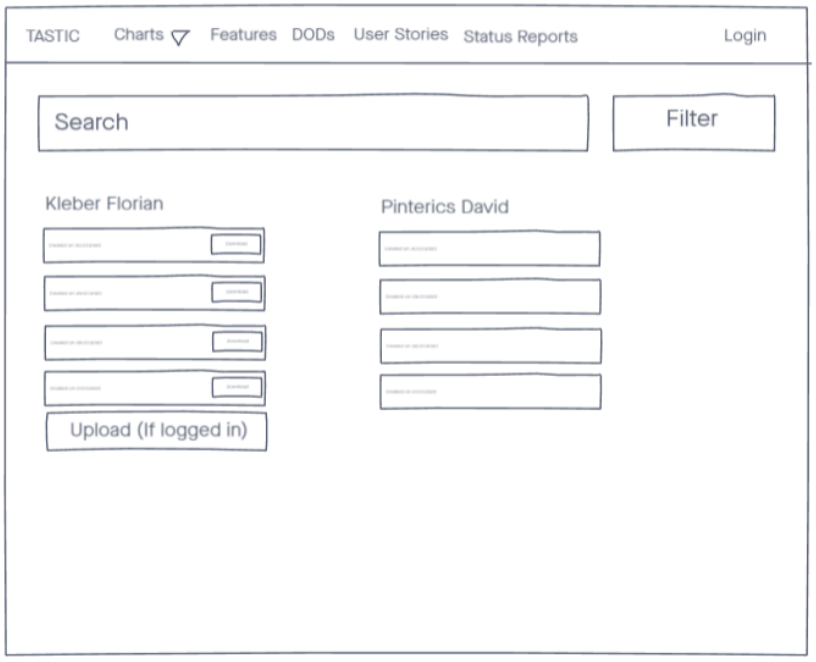
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

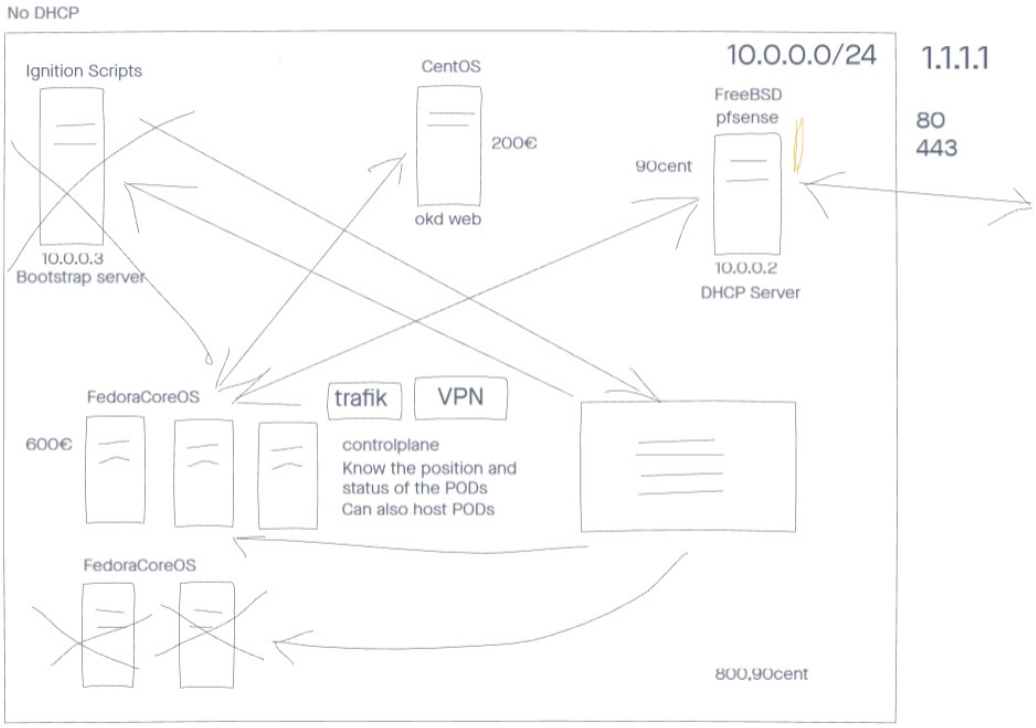
17 TASTIC Engine

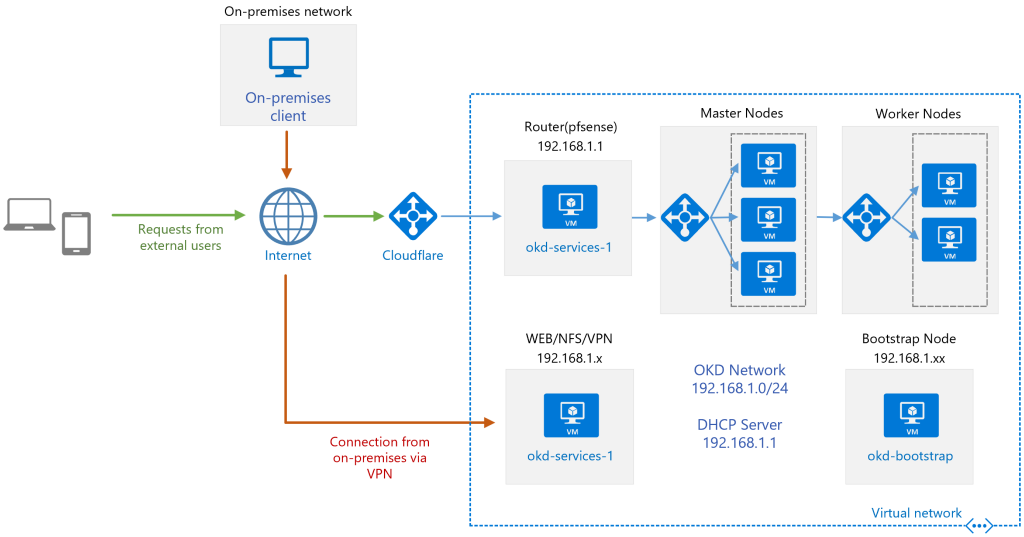
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

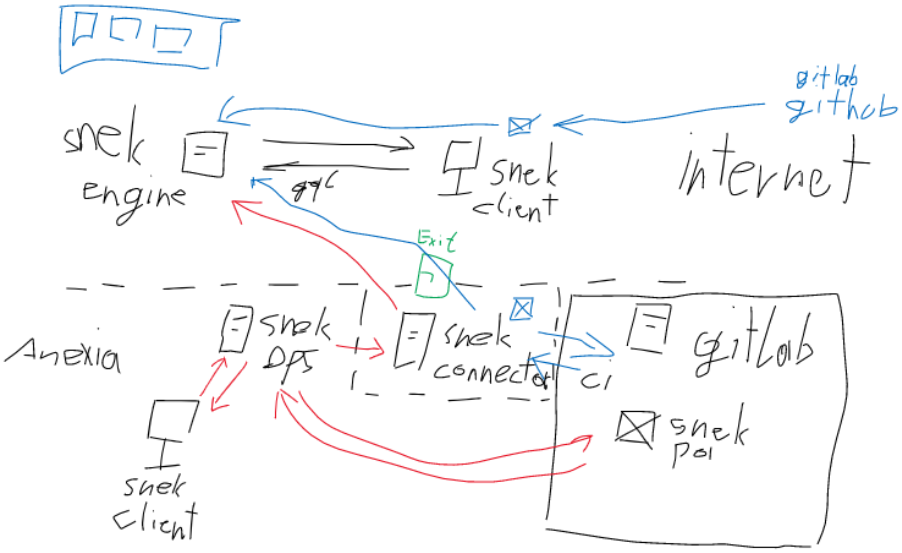
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

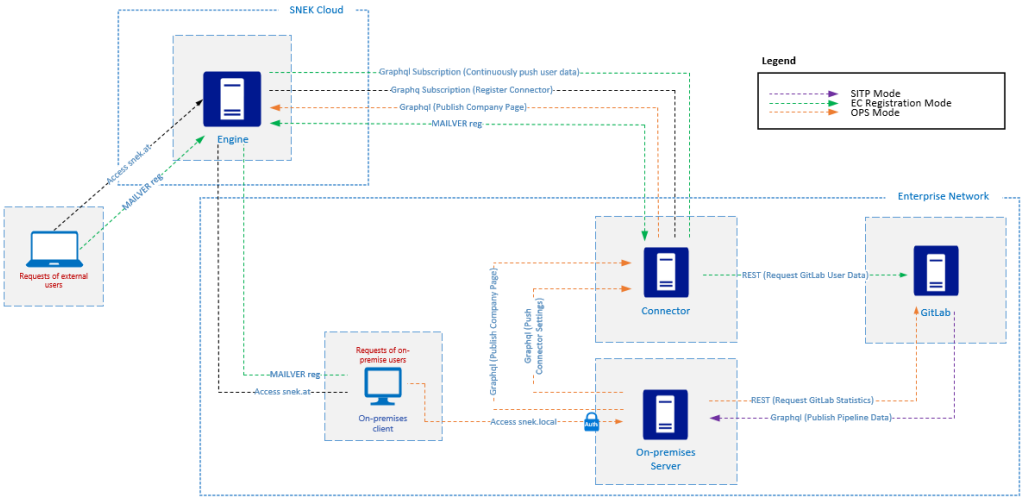
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

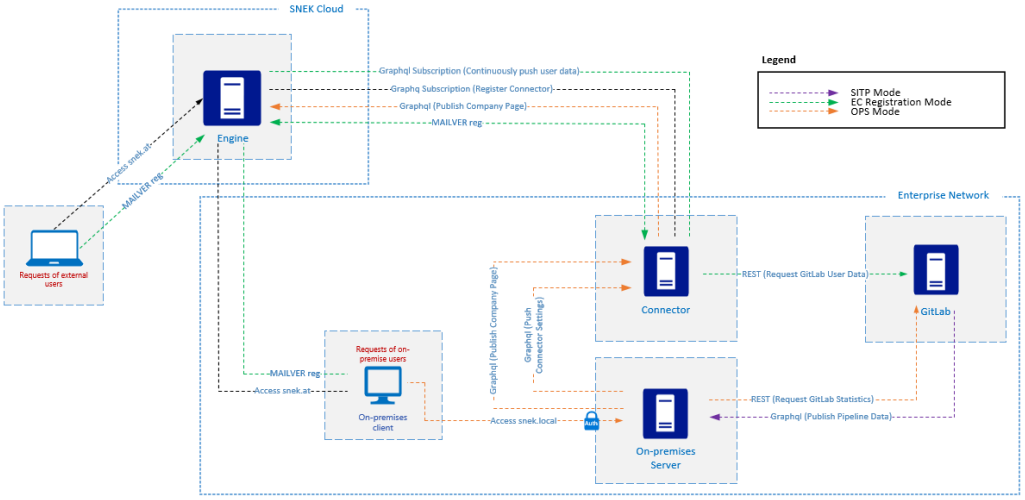
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

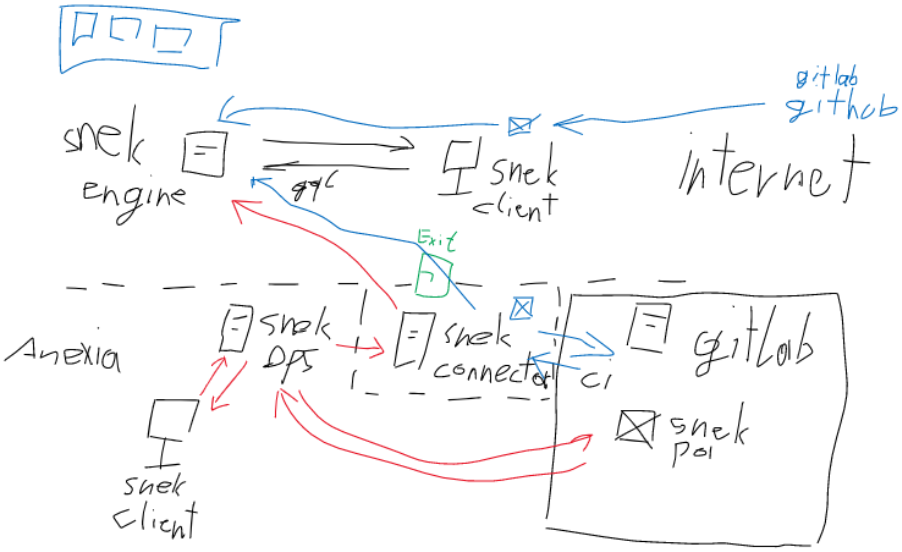
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

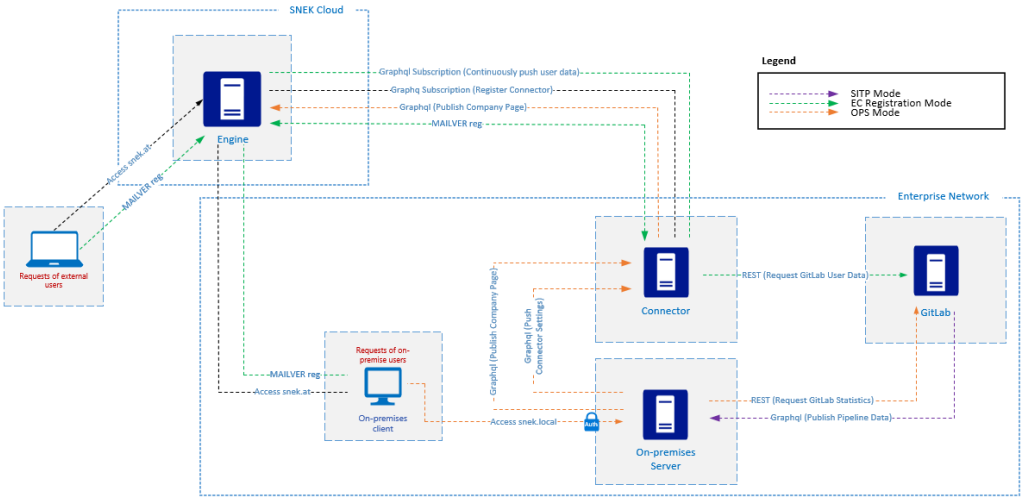
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

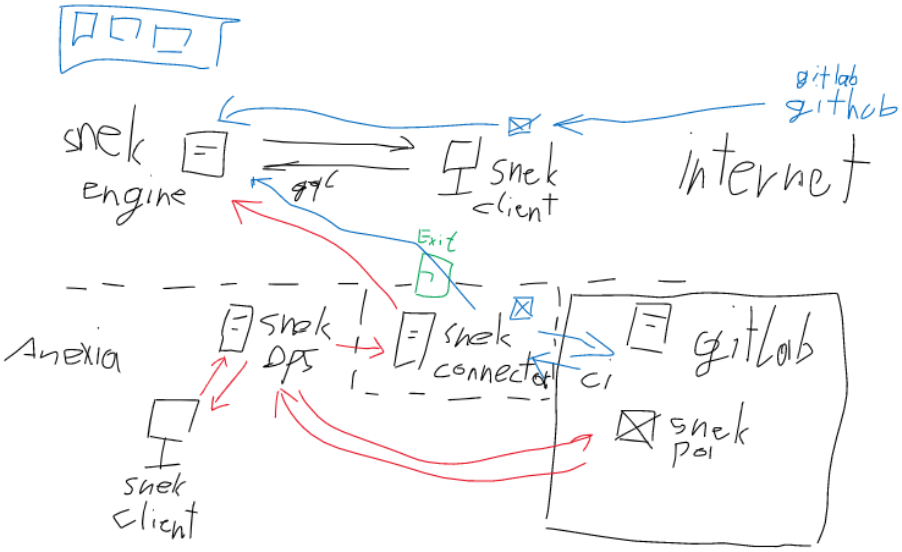
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

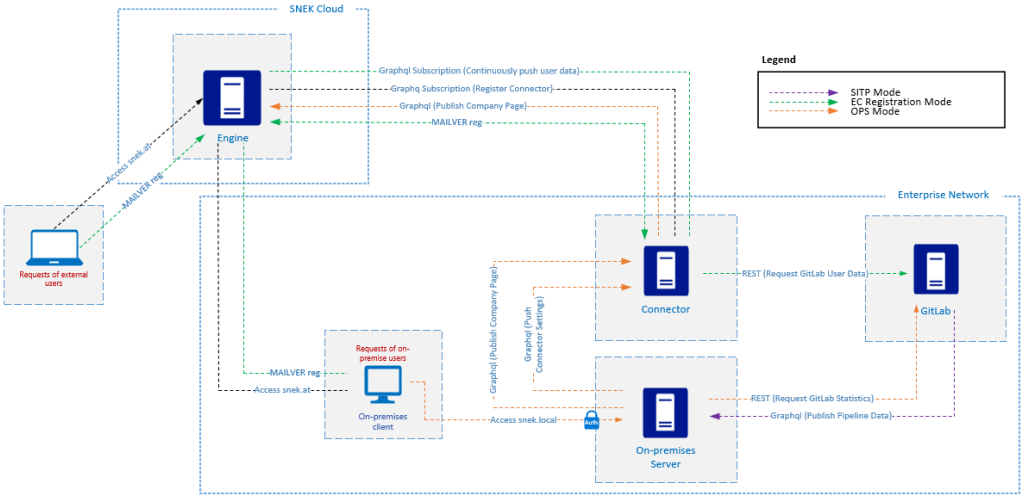
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

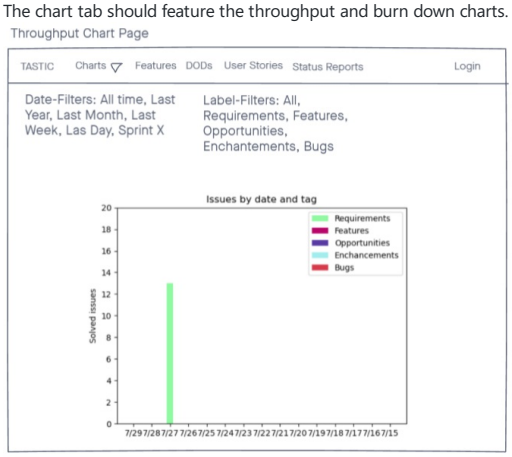
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

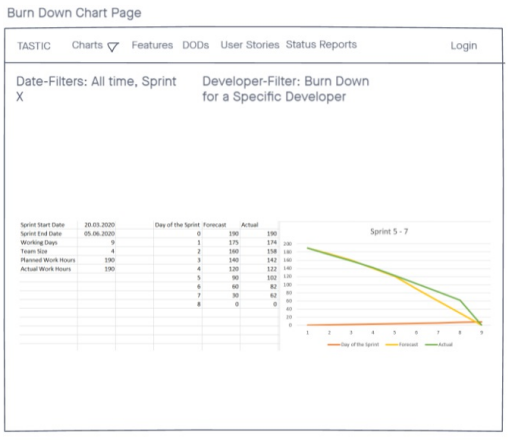
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

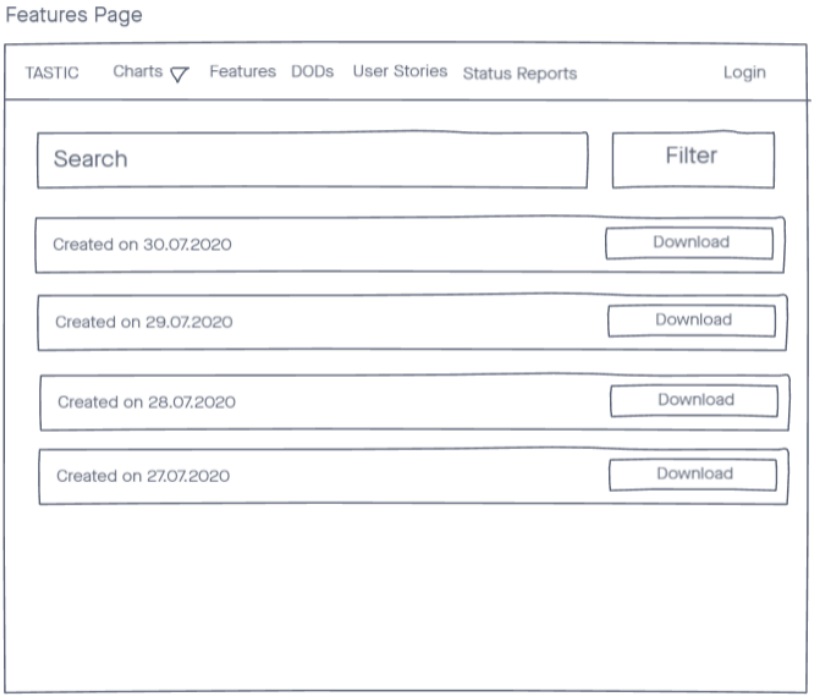
Charts Pages
The chart tab should feature the throughput and burn down charts.





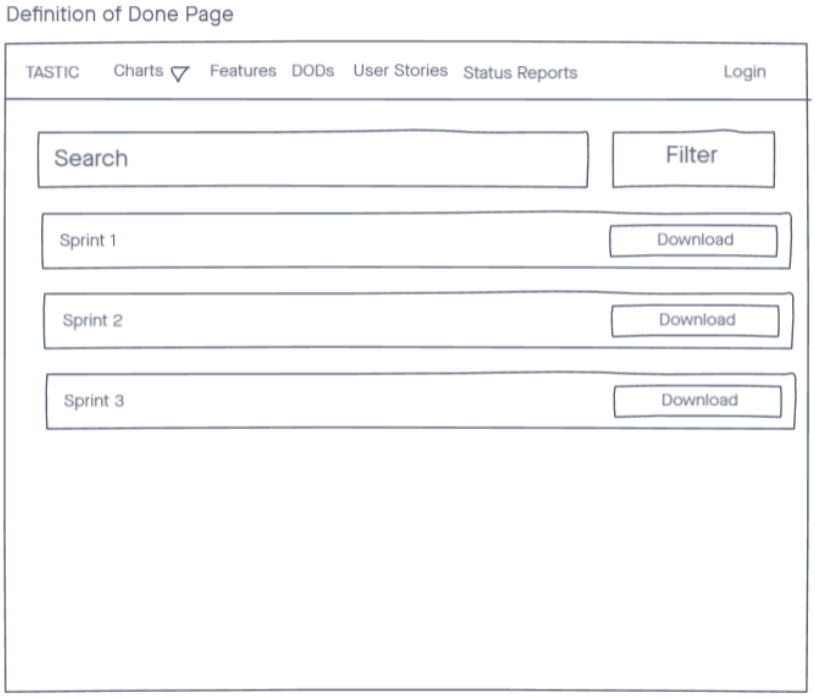
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

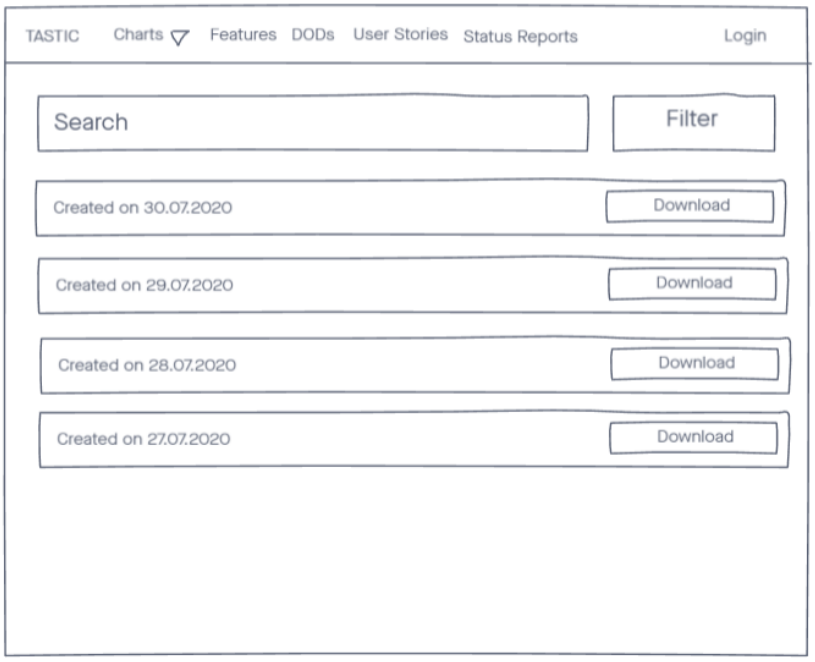
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

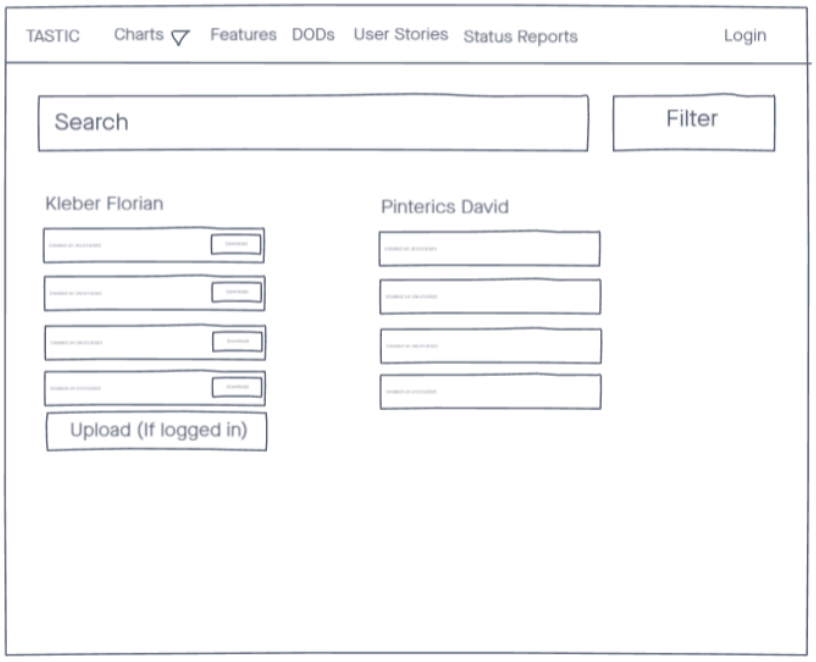
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

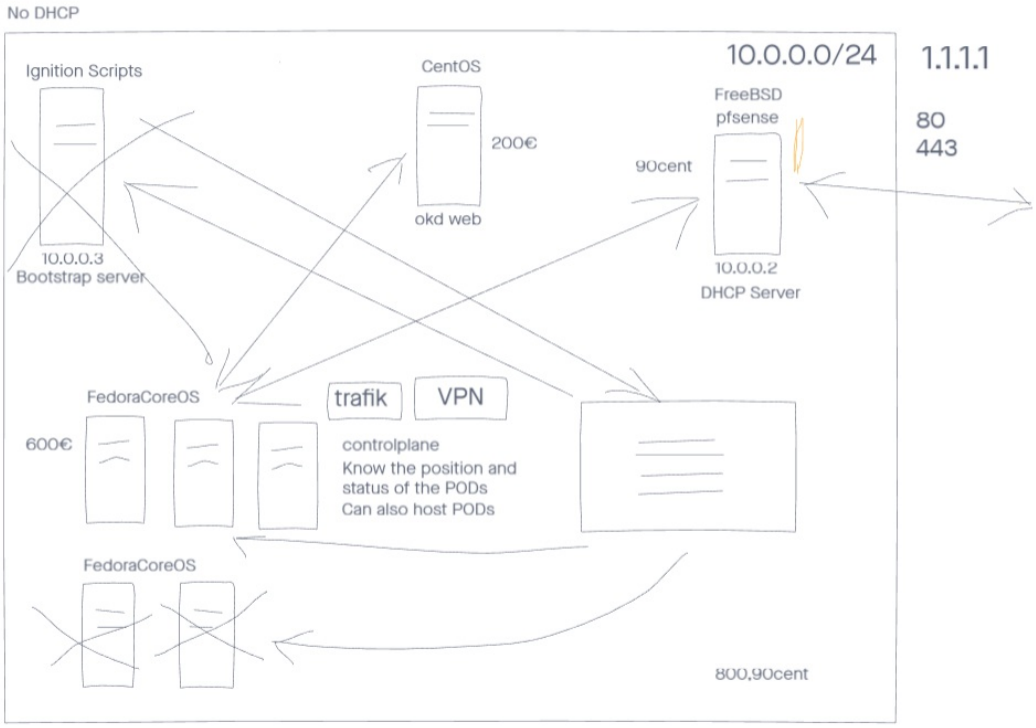
18 GitHub Issues to PDF

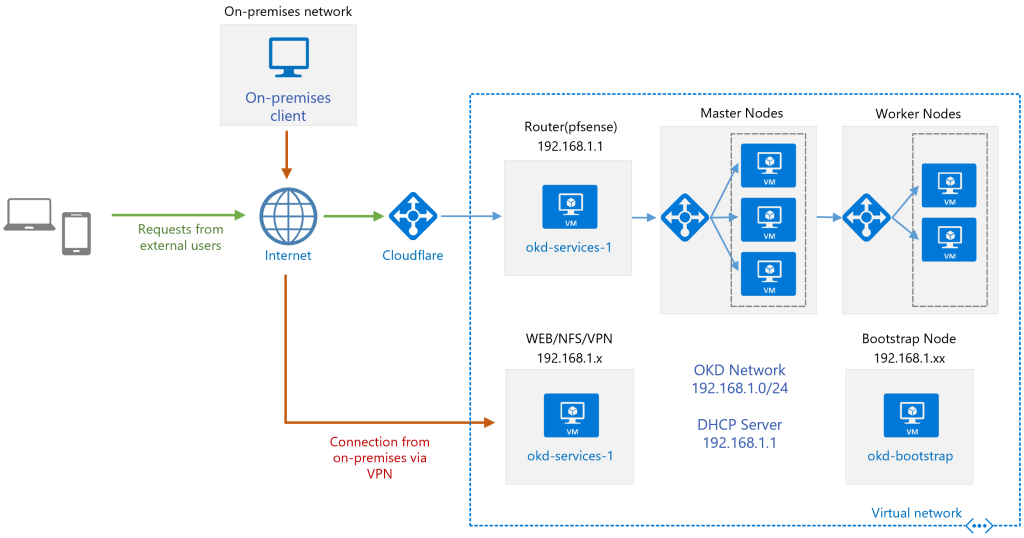
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

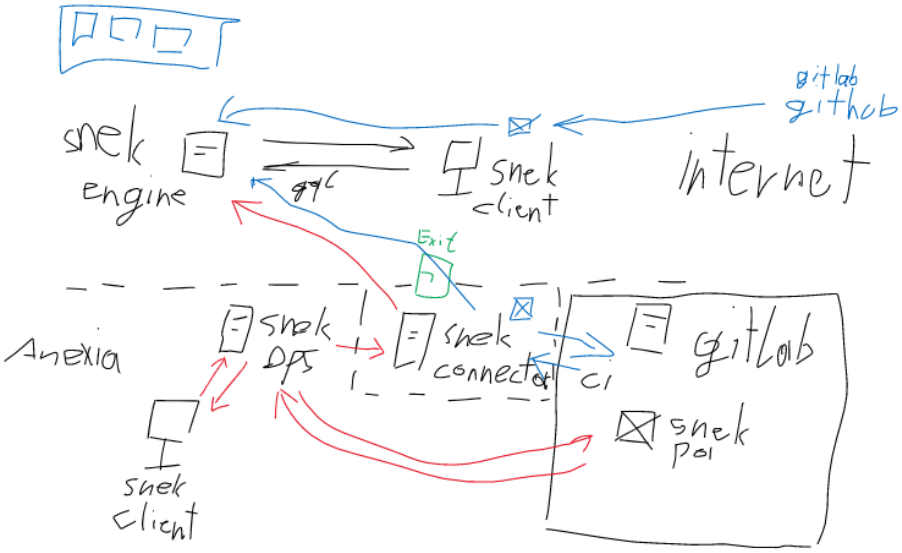
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

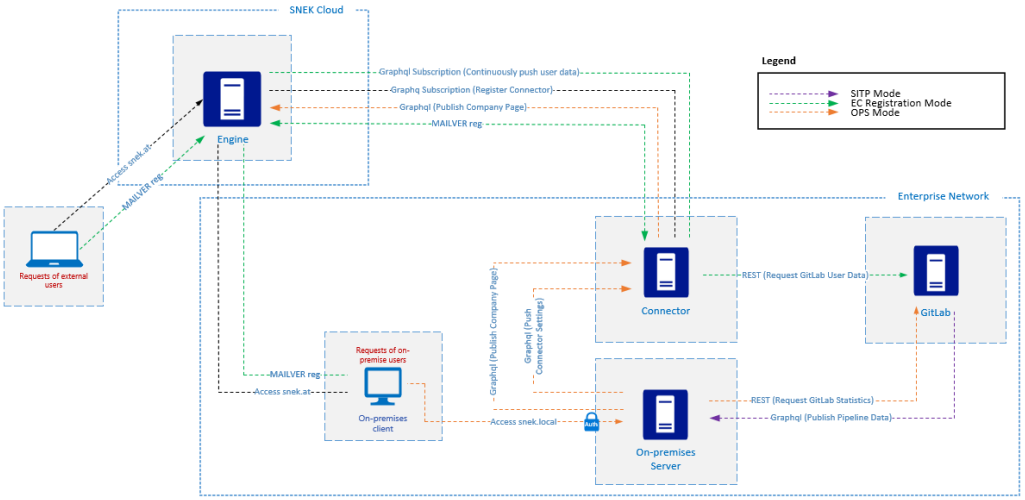
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

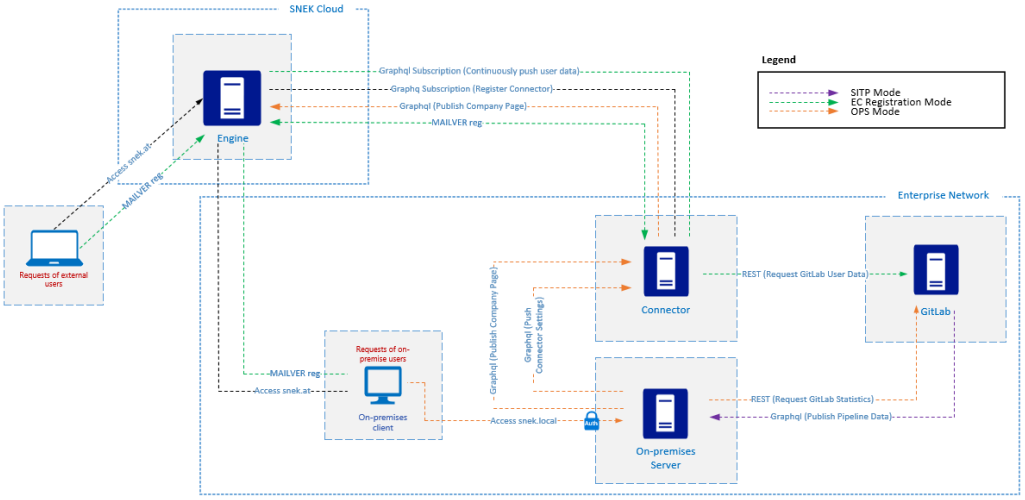
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

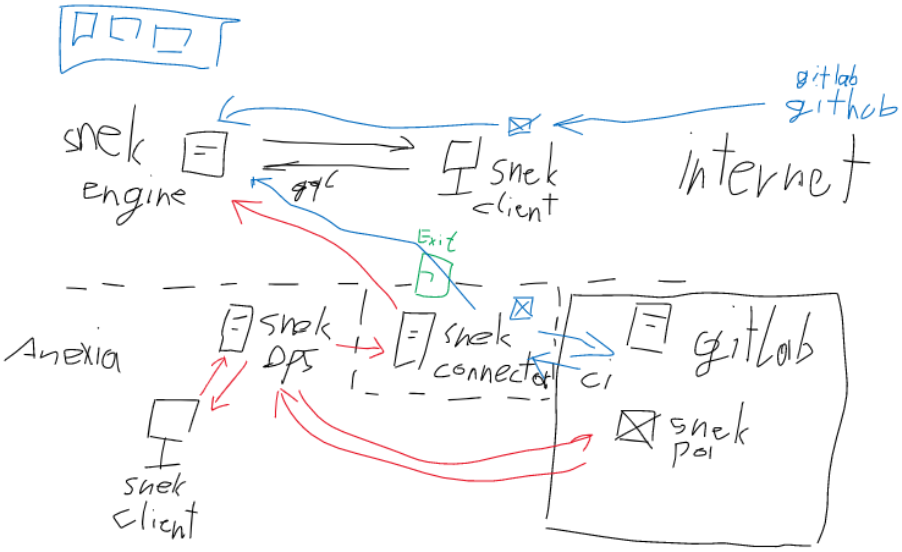
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

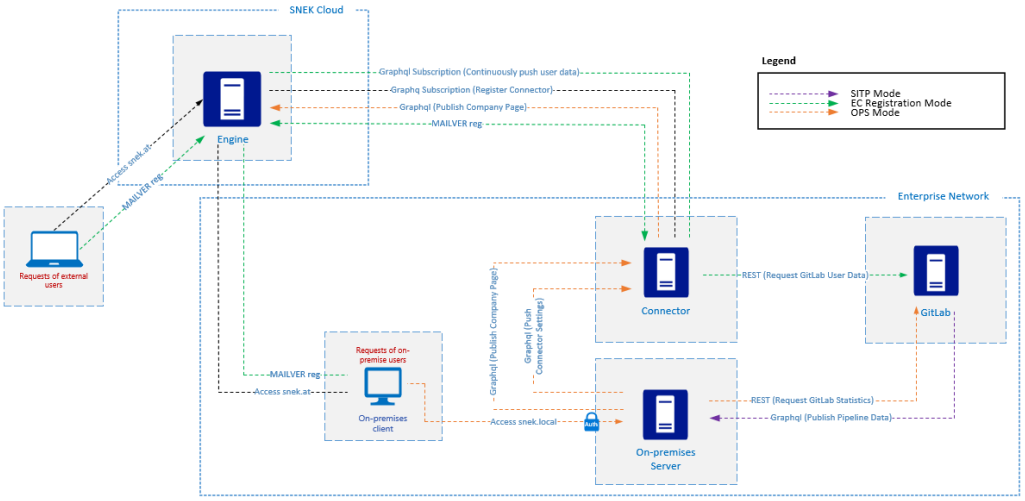
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

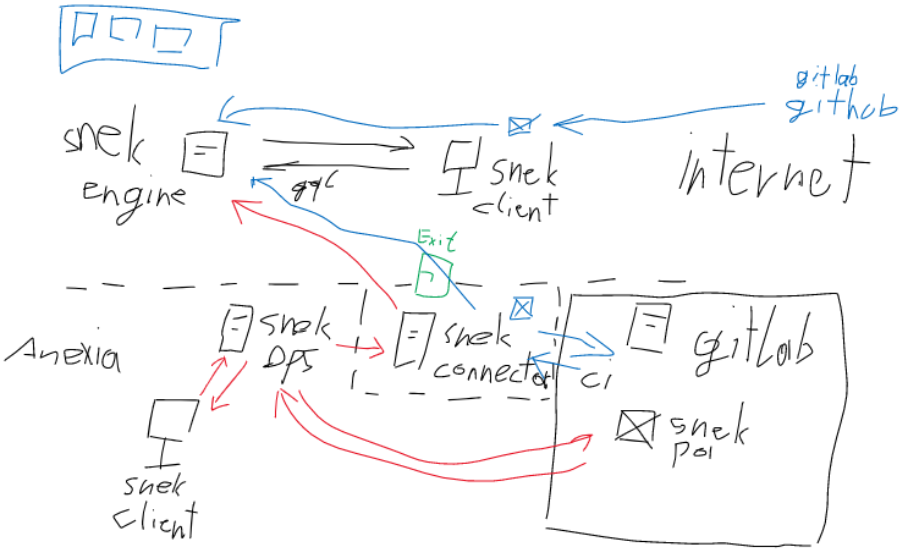
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

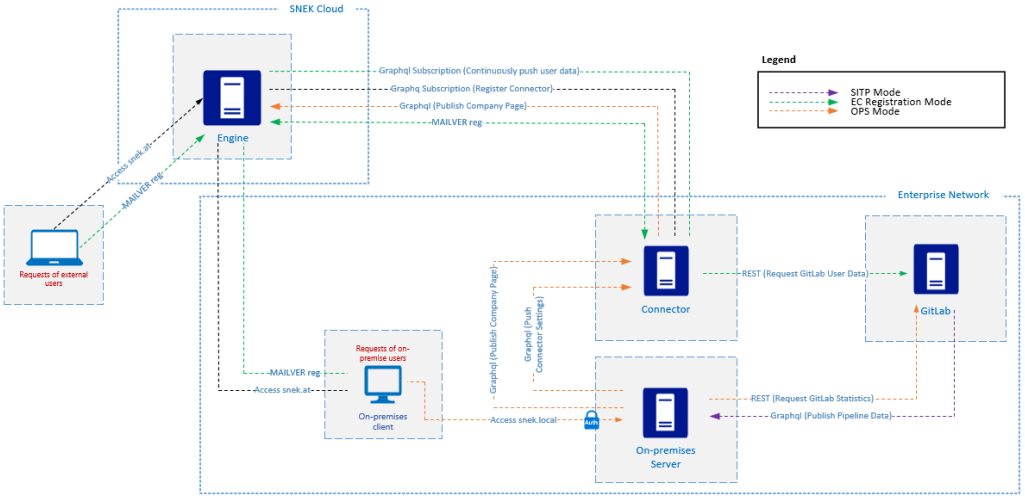
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

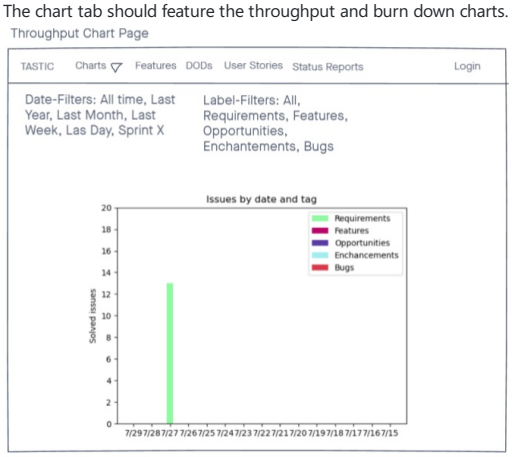
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

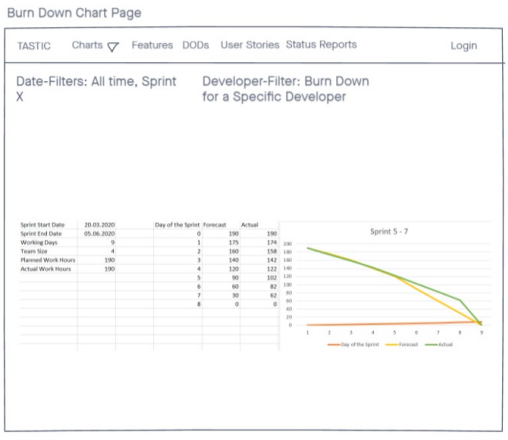
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

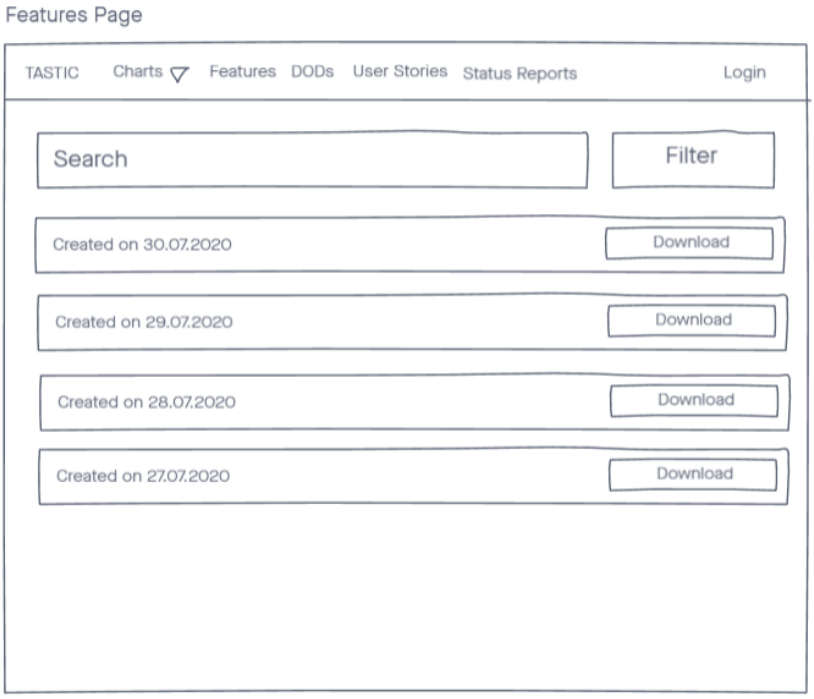
Charts Pages
The chart tab should feature the throughput and burn down charts.





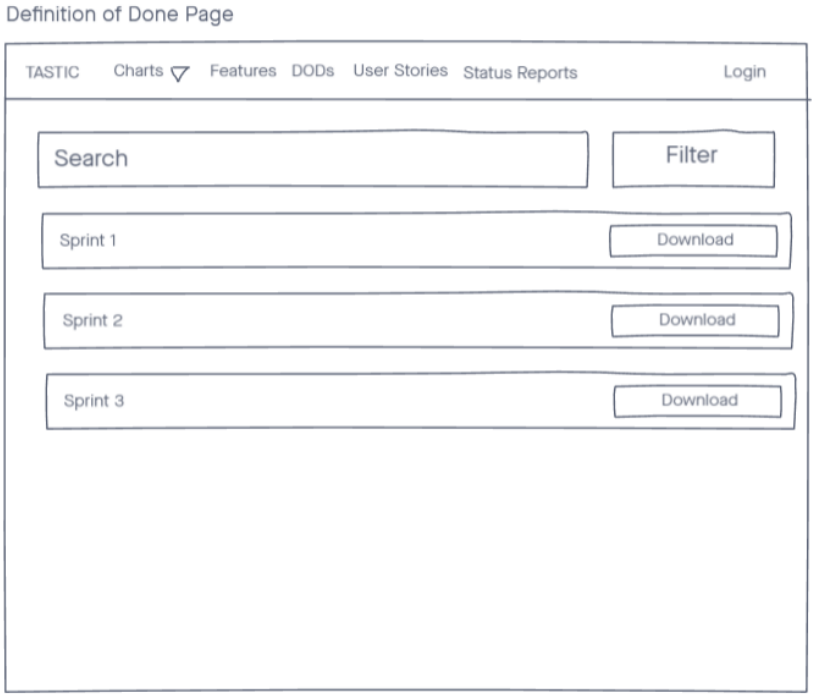
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

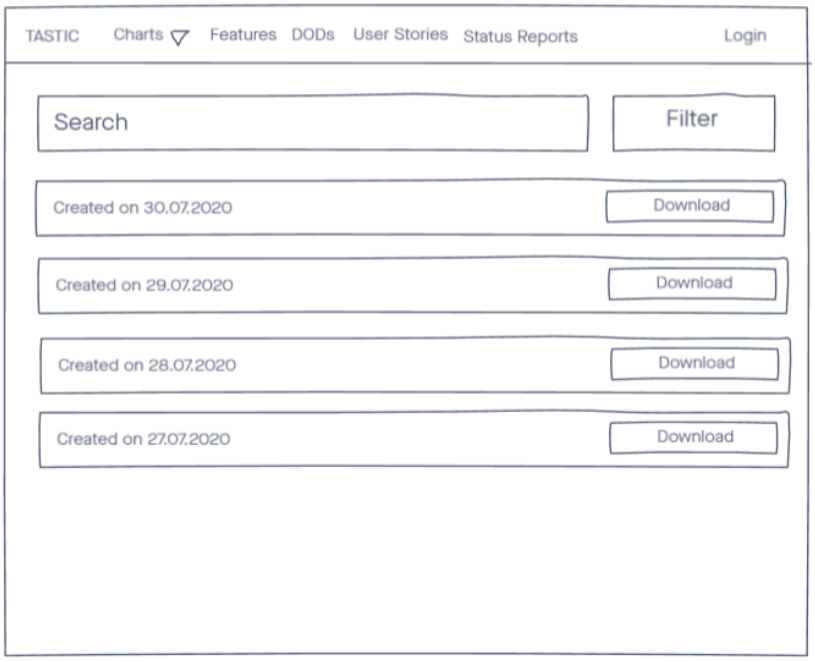
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

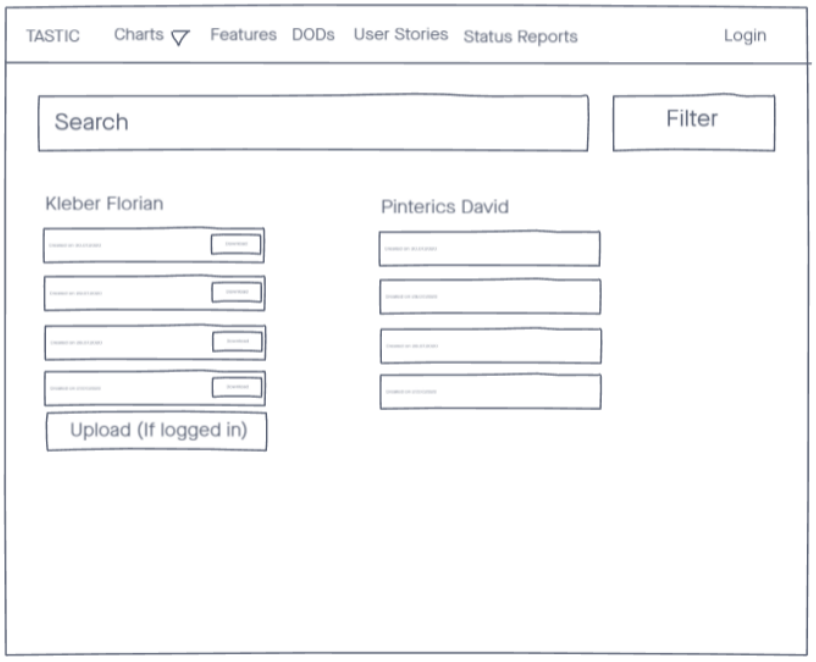
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

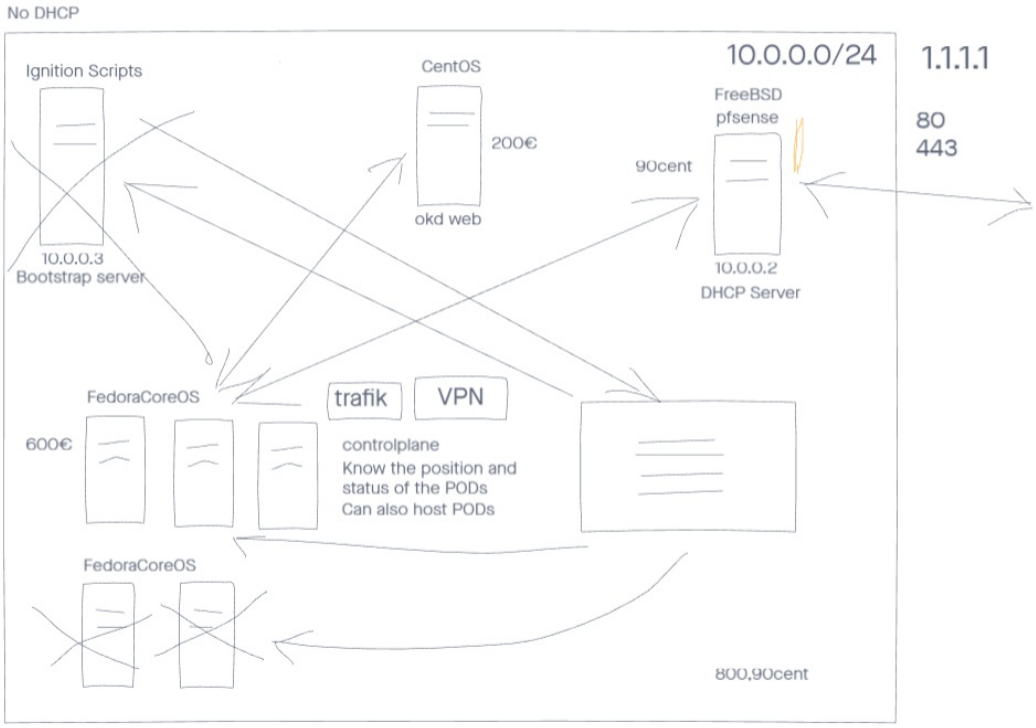
19 TONIC for Python

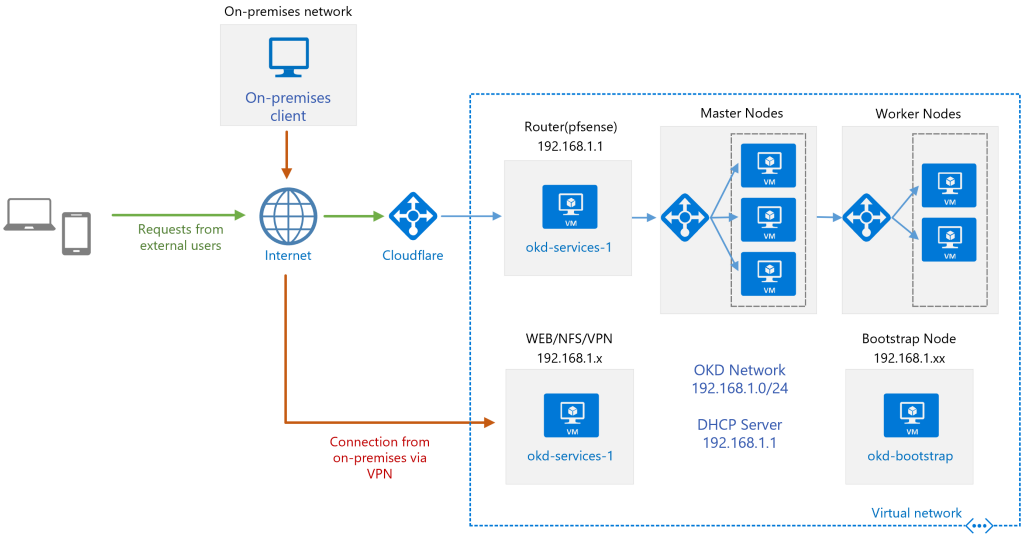
User Stories

- As SNEK I want to have the possibility to automatically deploy code, in order to save time.

Is your feature request related to a problem? Please describe.
Currently the code has to be deployed manually every time a new version of the platform is released.

Describe the solution you'd like





Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

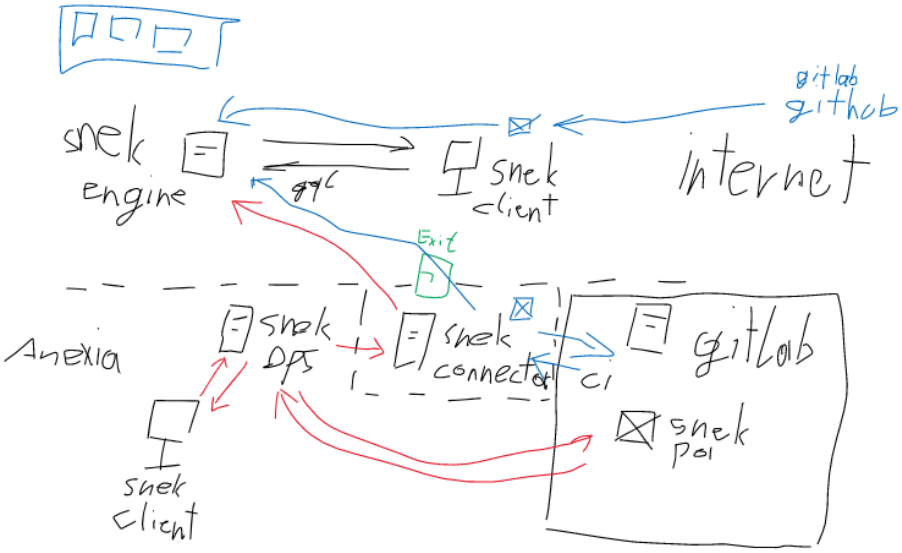
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

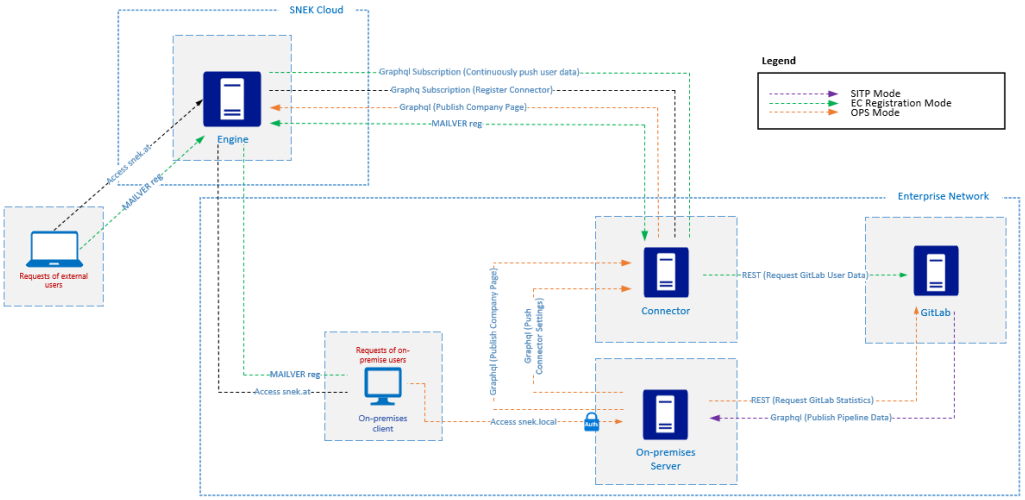
Is your feature request related to a problem? Please describe.
The enterprise connector should be used to enable registration of users from non public instances.

Describe the solution you'd like
The blue path describes the basic solution for the enterprise connector.



The code should be kept as small as possible to make it easy for others to read through it.

Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Verification E-Mail (https://github.com/snek-at/engine):
  - Update registration mutation
- Update Database (https://github.com/snek-at/engine):

    - RAW field
    - Enterprise Page
- Update API (https://github.com/snek-at/engine):
    - RAW mutation
    - Enterprise Page creation
- Configure GItLab:
    - Add User (SNEKman)
- API Endpoint for OPS

Requirements

- [x] Enterprise Connector Concept. #2
- [x] Local GitLab Server for Enterprise Connector. #3
- [x] Template Repository for Flask. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 13:47:33 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:07:38 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:11:25 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

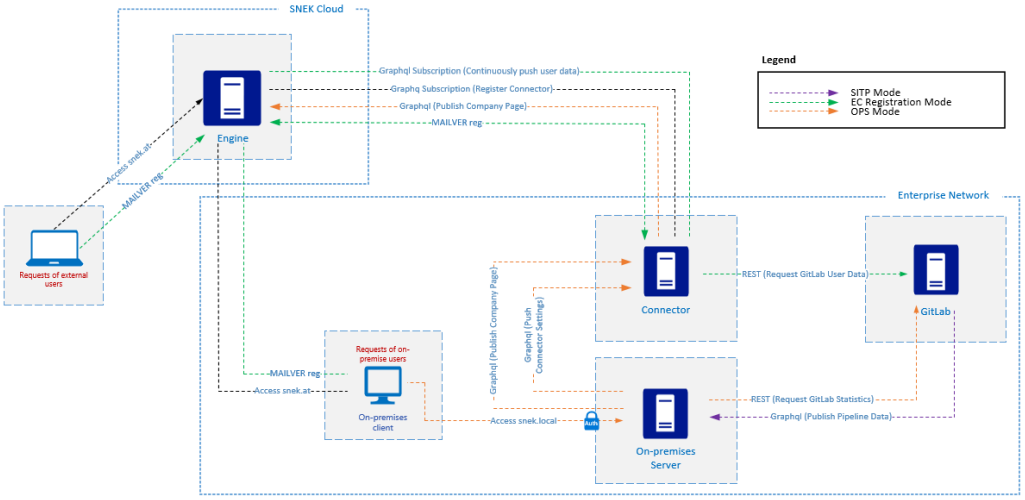
User Stories

- As company I want to be able to publish selected private data on SNEK, to display achievements and statistics that I reached locally to the public.
- As user I want to be able to register on SNEK by using my company GitLab account, in order to visualize my contributions.

Is your feature request related to a problem? Please describe.
Currently it is not possible to publish data that was collected inside a company network to SNEK.

Describe the solution you'd like
The current engine should be migrated to Bifrost, to provide the feature for companies to publish their collected data.

Engine - EC - OPS - SITP Workflow Overview



Solutions that could be implemented:

- Move and adjust:
  - Esite registration
  - Esite customer
  - Esite profile
  - Esite caching
  - Esite gift
  - Esite survey
- Adjust SNEK Client
- Add:
  - Model for Company page
  - Form for Company page
  - Proxy model for Company & Normal user
  - Add subscription based hook

Requirements

- [x] Migrate to Bifrost GraphQL API Concept. #11
- [x] Workflow Meeting. #12

Milestones

Feature Milestones	Completed at in RFC 2822 format
Feature Designed	Wed, 29 Jul 2020 17:59:42 +0200

Requirements Fulfilled	Wed, 29 Jul 2020 18:07:47 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:48:16 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

- A User story

Is your feature request related to a problem? Please describe.
Currently the SNEK admin panel does not provide all feature required for frontend development.

Describe the solution you'd like
The SNEK admin panel should receive an update to fulfill the requirements.

Solutions that can be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a company I want to have the possibility of featuring my achievements and statistics on SNEK, in order to find qualified engineers that want to work for my company.

Is your feature request related to a problem? Please describe.
Currently there is no page for companies to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where companies can feature their employees, show off their projects and can display other statistics based on their needs.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of featuring my resume on my profile, in order to show others achievements of my life that are not featured on any other platform.

Is your feature request related to a problem? Please describe.
Currently it is not possible for users to display their resume on their profile.

Describe the solution you'd like
The user should be able to upload their resume or to link to an external platform where his resume is displayed.

Solutions that could be implemented:

Requirements

- [ ] Resume Component Concept. #107

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user that work as a media engineer I want to have the possibility to display my achievements and statistics on SNEK, in order to get job offers and feedback on my work.

Is your feature request related to a problem? Please describe.
Currently there is no page for media engineers to display their achievements and statistics on SNEK.

Describe the solution you'd like
A page should be build where media engineers can feature their posts and portfolio.

Solutions that could be implemented:

Requirements

- [ ] Add Requirement here. #ID

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility of following other users, in order to keep up on their lastest post and achievements.

Is your feature request related to a problem? Please describe.
Currently it is not possible to follow other users, to receive updates of their profiles.

Describe the solution you'd like
A follow functionality should be implemented where users can follow each other and so build up networks.

Solutions that could be implemented:

- Implement Follow Functionality Prototype

Requirements

- [ ] Follow Functionality Concept. #105
- [ ] Follow Functionality Prototype. #106

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:42 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to have the possibility to like other users and their achievements, in order to show them that they did something cool and to motivate them to keep on doing it.

Is your feature request related to a problem? Please describe.
Currently it is not possible to like other users and their achievements.

Describe the solution you'd like
A like functionality should be implemented to make it possible for users to show their opinion on a post or a profile.

Solutions that could be implemented:

- Implement Like Functionality Prototype

Requirements

- [ ] Like Functionality Concept. #103
- [ ] Like Functionality Prototype. #104

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:29:02 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my achievements from HackTheBox, in order to display my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HTB profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackTheBox Data Prototype

Requirements

- [ ] HackTheBox Data Concept. #96
- [ ] HackTheBox Data Prototype. #97

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:22:36 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display reports and achievements from HackerOne on my SNEK profile, in order to feature my cyber security skills on my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently there is no way for people interested in cyber security to display their achievements on SNEK.

Describe the solution you'd like
Users should be able to link their HackerOne profile to their SNEK profile, so it is possible for them to display their achievements.

Solutions that could be implemented:

- Implement HackerOne Data Prototype

Requirements

- [ ] HackerOne Data Concept. #94
- [ ] HackerOne Data Prototype. #95

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:54 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a user I want to be able to display my posts from Instagram, in order to build up my profile as an media engineer.

Is your feature request related to a problem? Please describe.
Currently it is not possible for media engineers to display their Instagram posts on SNEK.

Describe the solution you'd like
The posts from Instagram should be fetched so it possible for users to display them on their profile.

Solutions that could be implemented:

- Implement Instagram Data Prototype

Requirements

- [ ] Instagram Data Concept. #92
- [ ] Instagram Data Prototype. #93

Milestones

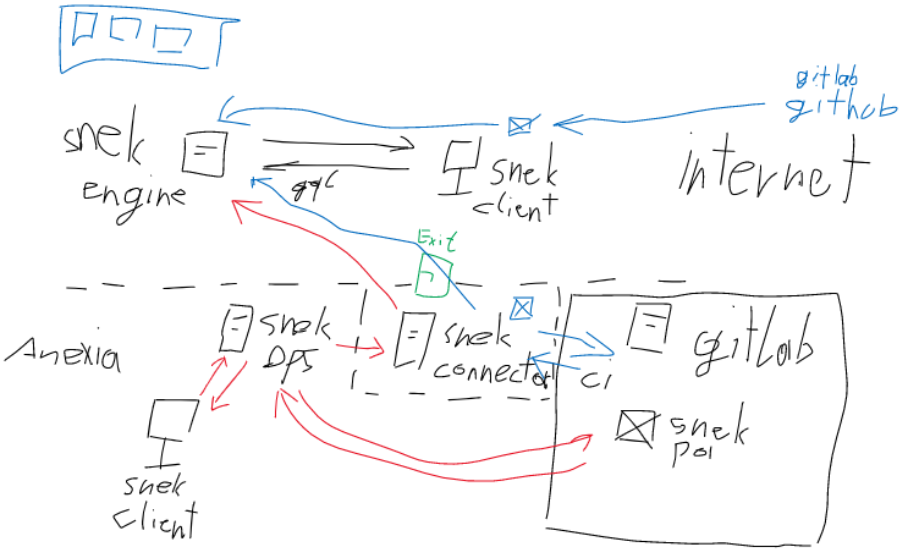
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:21:14 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

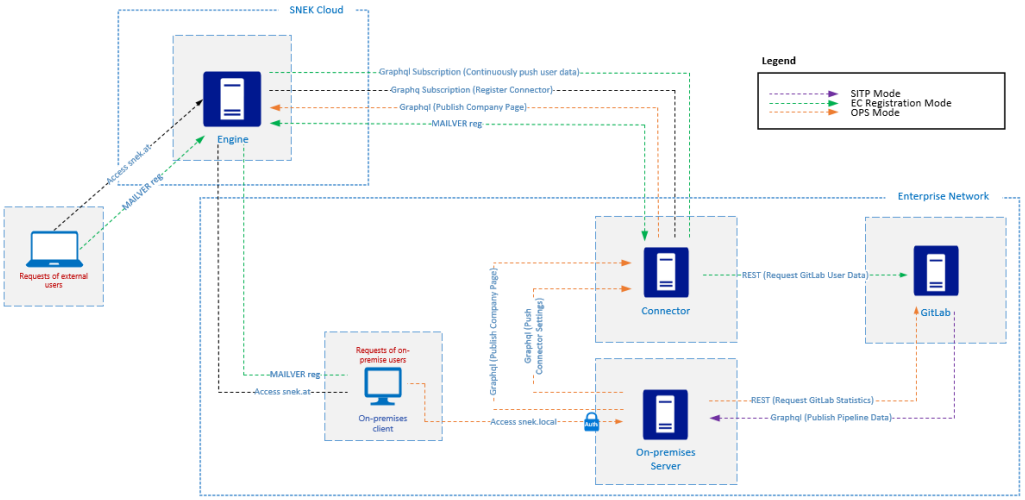
- As a company I want to be able to analyze my employees contributions without displaying the results to the public, in order to keep private information private.

Is your feature request related to a problem? Please describe.
Many companies want an in-depth analysis of their data. However, they are not ready to publish all of it. By using an on-premis server it is possible to store and illustrate analysis data internally only and to publish (if wanted) a self-defined company page on "https://snek.at/enterprise/COMPANY".

Describe the solution you'd like
The red path illustrates the flow for the on-premise server.



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Connect with Enterprise Connector (https://github.com/snek-at/ec)

- Database models for:
  - User
  - Company page
  - Data
- API for:
  - Company Page
  - SNEK in the Pipeline
- GQL Client for:
  - SNEK Connector
  - GitLab API
- Configure GitLab:
  - Add User (SNEKman)

Requirements

- [x] One-Premise Server Concept. #2
- [x] Template Repository for Wagtail. #3
- [x] Local GitLab Server for On-Premise Server. #4
- [x] Update the coding Guideline for Python. snek-at/tonic#6

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:25:44 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:12:42 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:14:34 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Microsoft account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Microsoft Office account.

Describe the solution you'd like
It should be possible to create a new profile using Microsoft Office OAuth, to verify the user.

Solutions that could be implemented:

- Implement Microsoft OAuth Prototype

Requirements

- [ ] Microsoft OAuth Concept. #7
- [ ] Microsoft OAuth Prototype. #8

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:19:26 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As user I want to have the possibility to register an account SNEK using my Google account, in order to verify my SNEK profile.

Is your feature request related to a problem? Please describe.
Currently it is not possible to create a new profile using a Google account.

Describe the solution you'd like
It should be possible to create a new profile using Google OAuth, to verify the user.

Solutions that could be implemented:

- Implement Google OAuth Prototype

Requirements

- [ ] Google OAuth Concept. #5
- [ ] Google OAuth Prototype. #6
- [ ] Google OAuth Credentials. #9

Milestones

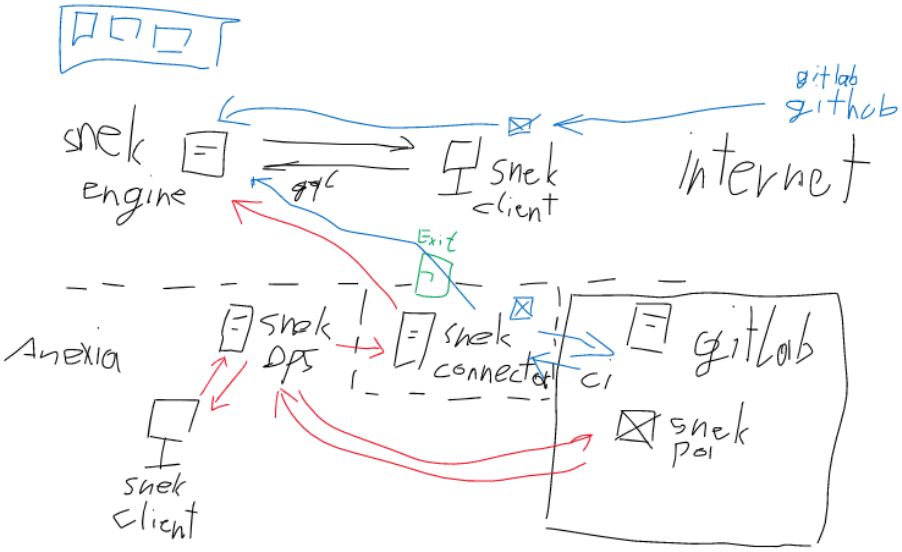
Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Fri, 24 Jul 2020 15:14:06 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Stories

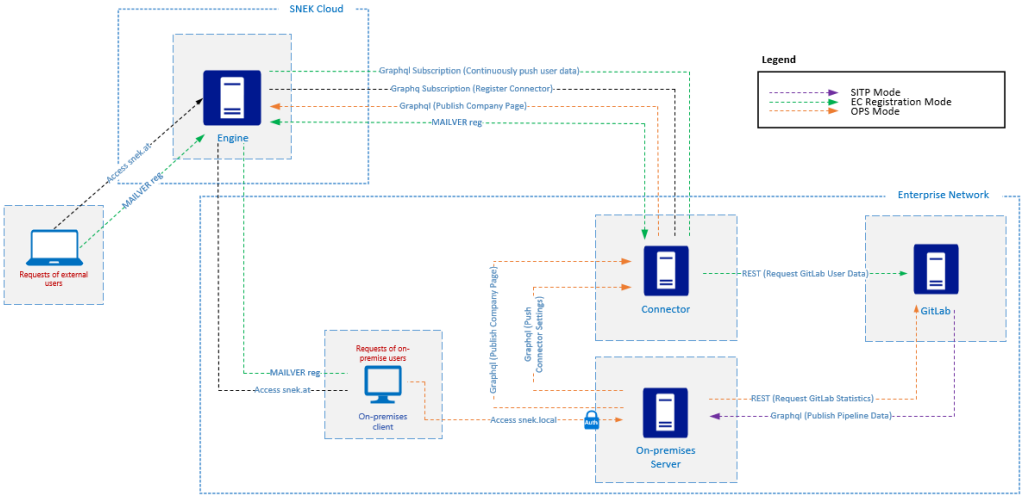
- As a company I want to be able to get an in depth source code analyzes, to be able to monitor the work of my employees.

Is your feature request related to a problem? Please describe.
Snek in the Pipeline should be a plugin for CI/CD pipelines to enable in depth source code analyzes.

Describe the solution you'd like



Engine - EC - OPS - SITP Workflow Overview



Solutions that can be implemented:

- Pipeline analyzer
- GQL Client for:
  - OPS (https://github.com/snek-at/ops)

Requirements

- [x] Snek in the Pipeline Concept. #2
- [x] Template Repository for Go. #3
- [x] Local GitLab Server for Pipeline. #4
- [x] Pipeline Knowledge. #5
- [x] Update the coding Guideline for Go. snek-at/tonic#7

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Thu, 23 Jul 2020 16:38:31 +0200
Requirements Fulfilled	Mon, 27 Jul 2020 14:02:18 +0200
Feature Reviewed	Mon, 27 Jul 2020 14:06:18 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

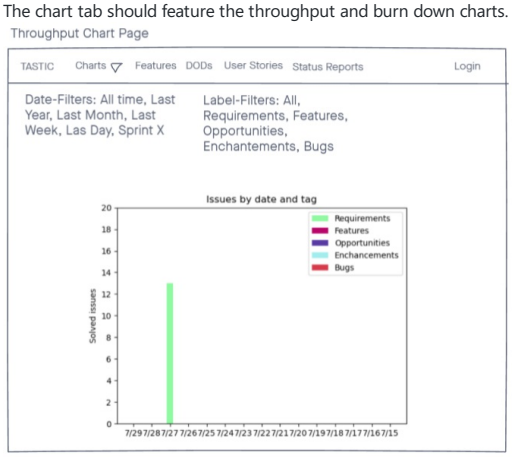
User Story
As a project manager I want to have all important project information at one place, in order to make project monitoring as efficient as possible.

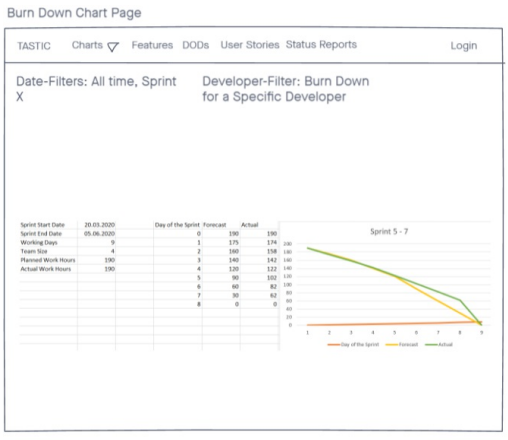
Is your feature request related to a problem? Please describe.
Currently it is not possible to monitor the project easily.

Describe the solution you'd like
A web services should be created that displays collected information.

Solutions that could be implemented:
Landing Page
The landing page should feature the latest informations.

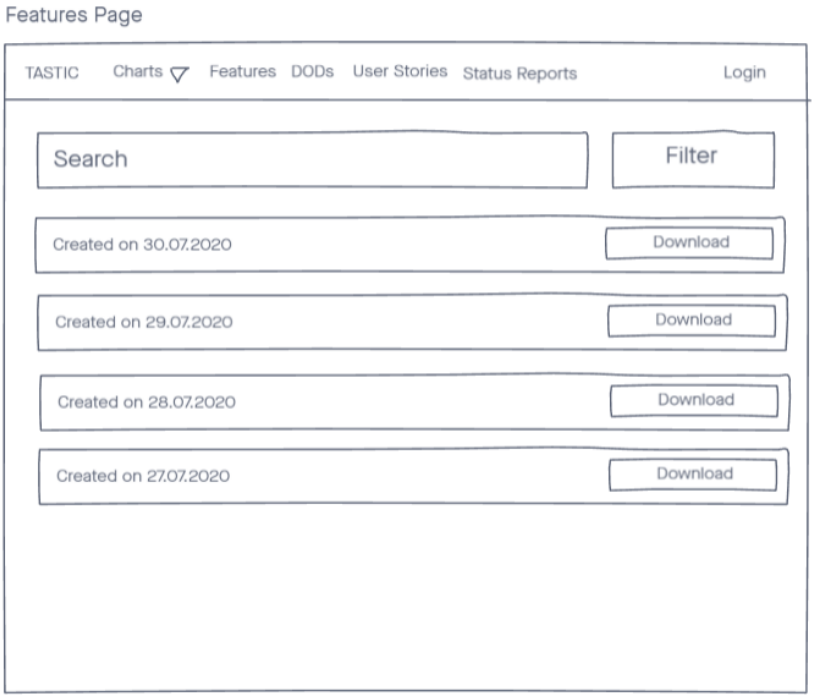
Charts Pages
The chart tab should feature the throughput and burn down charts.





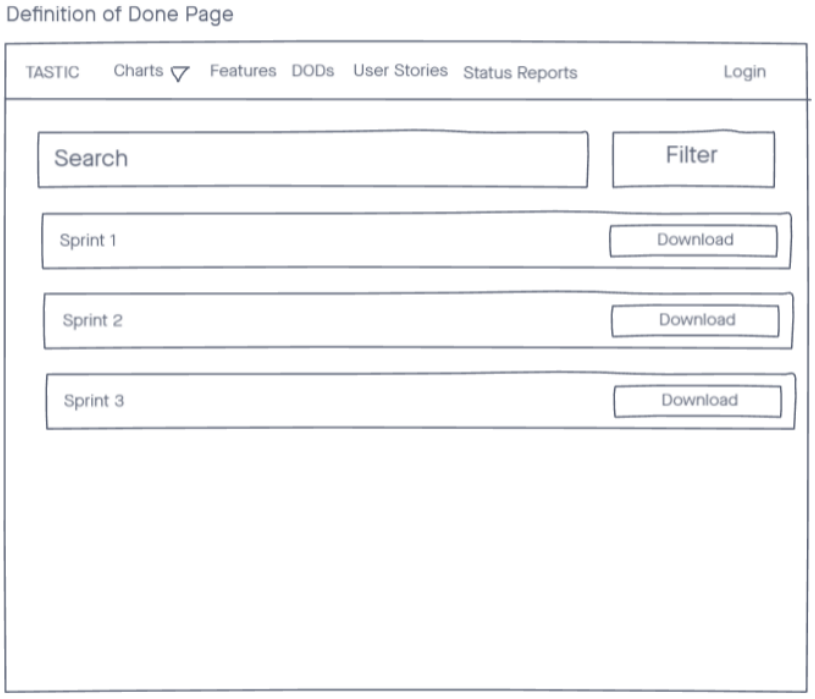
Features Page

The feature page should provide download link to PDF created by #1.



Definition of Done Page

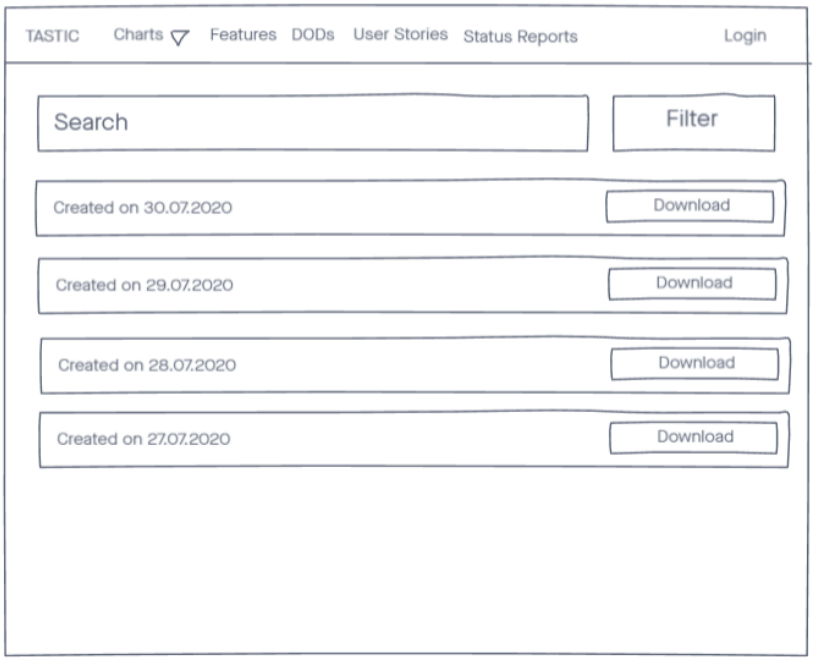
The definition of done page should provide download link to PDF created by #1.



User Stories Page

The user stories page should provide download link to PDF created by #1.

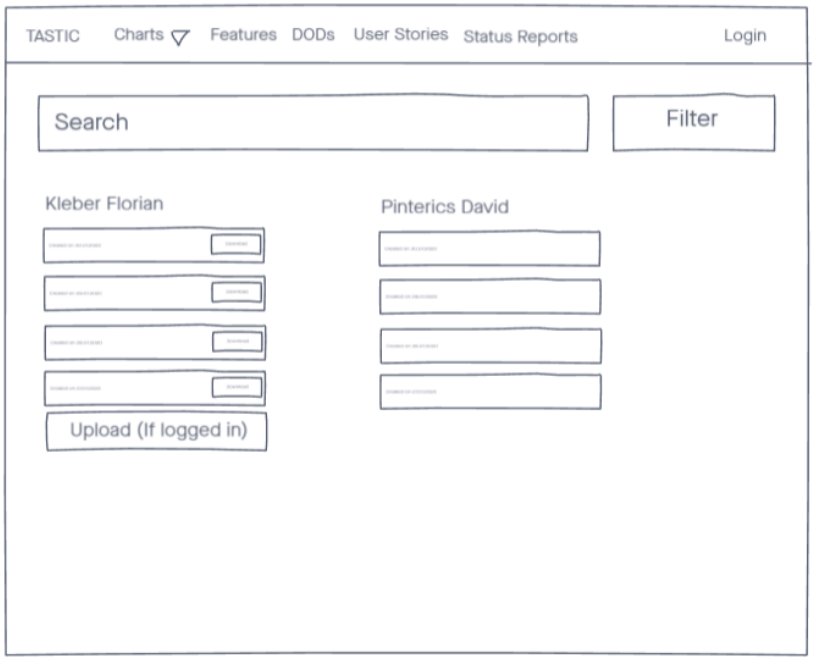
User Stories Page



Status Report Page

The status report page should provide download links to PDFs uploaded by logged in users.

Status Reports Page



Requirements

- [x] TASTIC Throughput Chart Prototype. snek-at/tastic#4
- [x] Django Template for TASTIC engine. #3

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:22:28 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:50 +0200
Feature Reviewed	Thu, 30 Jul 2020 14:55:20 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As project manager I want to have the possibility to convert issue from GitHub to PDF files, in order to provide the PDF file to the clients.

Is your feature request related to a problem? Please describe.
Currently it is not possible to convert issues from GitHub to PDFs.

Describe the solution you'd like
A script should be created that is able to fetch issues and convert them to PDFs. The created PDFs should be stored on a web service to store the file history.

Solutions that could be implemented:

- GitHub API Client
- Latex Template
- Pandoc Templates

Requirements

- [x] Prototype Issues to PDF. snek-at/tastic#2

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Wed, 29 Jul 2020 18:16:10 +0200
Requirements Fulfilled	Wed, 29 Jul 2020 18:25:27 +0200
Feature Reviewed	Wed, 29 Jul 2020 18:49:22 +0200
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	

User Story
As a developer I want the TONIC to provide coding style for developing with Python, in order to keep Python code clean and readable for external developers.

Is your feature request related to a problem? Please describe.
Currently the TONIC does not provide a style guide for Python development.

Describe the solution you'd like
The TONIC should receive an update that describes the styling of Python coding.

Requirements

- [ ] Python Coding Experience. #10

Milestones

Feature Milestones	**Completed at in RFC 2822 format**
Feature Designed	Mon, 03 Aug 2020 11:00:51 +0200
Requirements Fulfilled	
Feature Reviewed	
Opportunity Milestones	**Completed at in RFC 2822 format**
Implementation Done	
Implementation Reviewed	
Implementation Deployed	