

- 1) API development for Client-Server configuration
- 2) Client Web Application
- 3) Spawning of the VM on Openstack from the API server
- 4) Ansible : Idp spawning (install & config) from the API server on the VM
- 5) Docker scenarios (Standalone, With Ansible..)
- 6) Architecture document
- 7) Set up a pre-testing environment

1) API development

Task 1.1	Functional specification of API
Goal	Short document listing API calls
Time scale (week #)	May
who:	Janusz, Mario, [Davide],

Task 1.2	Development of API
Goal	Git repo with the code - Node.js - Test scenarios
Time scale (week #)	October
who:	Janusz Marko [Davide]

2) Client Web Application

Task 2.1	Design of the Web Application - Selection of framework
Goal	Decide on the framework to be used - Sketch a design
Time scale (week #)	September
who:	Jan, Mario
notes	Yii (php framework), Node.js (is a web server)

Task 2.2	Implementation of the Web Application
Goal	Provide a first prototype of the Client Web Application
Time scale (week #)	October
who:	Jan, Mario

3) VM spawning on Openstack - (considering other platforms.....)

Task 3.1	Openstack / Cloud
Goal	Spawn the VM automatically from the API server
Time scale (week #)	June
who:	Mario, Marco, Davide
Notes	Ansible is an option

Task 3.2	VMware
Goal	Spawn the VM automatically from the API server on VSphere
Time scale (week #)	July
who:	Marko

4) Ansible: Playbook to create the IdP instance

Task 4.1	Documentation on Ansible provided functionality / Scenarios
Goal	Document - technical level - Ansible provided functionality
Time scale (week #)	June
who:	Jan, Marco, Anass

Task 4.2	Ansible/ Docker workplan
Goal	Elaborate a Workplan Ansible and Docker - Every scenario
Time scale (week #)	May
who:	Everyone

Task 4.3	Further required developments (towards API)
Goal	Interface the Service API config
Time scale (week #)	October + (after API service will be available)
who:	Jan, Marco, Anass, [Davide]
note	What is achievable with Dynamic Inventory - Translation service Handling multiple instances / Parallel running of playbook

Task 4.4	Consolidation / Extensions :
Goal	Develop additional Ansible functions according to plan (document)
Time scale (week #)	October
who:	Jan, Marco, Anass, [Davide]

5) Docker scenarios

Task 5.1	Further Docker assessment and conclusions for Gn4.2
Goal	Test Docker stand-alone and with Ansible to decide what to do about it
Time scale (week #)	May
who:	Anass, Jan, Marko, Janusz, Mario [Dick]

6) Architecture document

Task 6.1	Architectural document
Goal	Provide an initial complete version
Time scale (week #)	May
who:	Everyone

7) Set up a pre testing environment

Task 7.1	Set up a testing environment
Goal	Provide a complete testing environment
Time scale (week #)	October
who:	Everyone

WORKPLAN BREAK OUT - IMPLEMENTATION

Task 5: Docker Scenarios

5.1 Set up a GEANT Jra3T1 private Docker Registry

5.,2 Deploy an IdP on 4 containers