

Trust & Identity Incubator

IdP - SP software testbed

Public Sprint Demo

September 2021

Public

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Introduction - Goal

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- Facilitate the deployment and testing of SAML2 federated authentication software.
- We need software to deploy and configure quickly and the tests to be automatic
- Example tests: Login, Attribute release, Known locations..







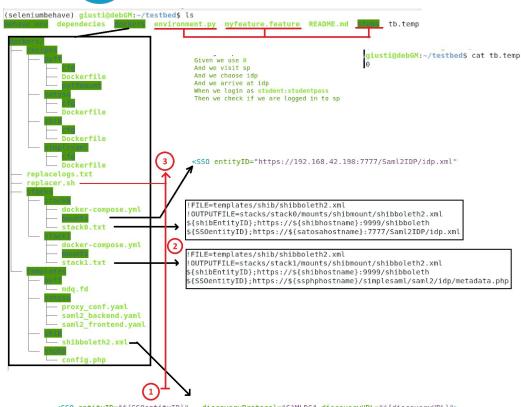
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- Analyze individual products
- Dockerize individual products
- Make their configuration somewhat automatic
- Write tests with selenium/behave
- Wrap it in a deployment script
- Perform the tests on the deployed dockers





Deployment



Every behave test has the same first step Checking if the preferred stack is deployed And if not, then deploying it

docker-compose up -d ./replacer.sh docker-compose restart

Stack: A specific set of products and their configurations













Meets the initial criteria

Once a stack is added to the testbed, testing newer versions of included products is quick and easy.

Plenty of room for improvement

- You still have to touch the code to add a new product
- Integration into gitlab did not happen







Further ideas for improvement

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- Instead of using a text file and a shell script to configure the dockers
- Use a .json file to store all information about a stack.
 Process that and handle configuring with python.





Thank you

Any questions?

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