

# Sunet Tech-blog



## [Integrating JupyterHub with Nextcloud](#)

[Micke Nordin](#) posted on Jan 19, 2024

If you don't know what Jupyter Notebooks <https://jupyter.org/> are, I encourage you to check them out. They give you a way to write programs, in a variety of programming languages, and share those with your friends and colleagues (even if they themselves are not as tech savvy as you are). JupyterHub <https://jupyter.org/hub> in turn gives you a way to easily manage a large number of notebooks presented on the internet. Now,...

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## [Setting up redundant mail servers and integrate with Nextcloud mail app](#)

[Micke Nordin](#) posted on Oct 26, 2023

Nextcloud has a fantastic mail-app <https://github.com/nextcloud/mail/> that can be used as a web interface for most e-mail providers. And of course, if you are running Nextcloud, you might want to host your own imap and smtp servers as well....

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## [MDQ in SWAMID](#)

[Johan Wassberg](#) posted on Sep 11, 2023

Since 2016 SWAMID <https://www.sunet.se/services/identifying/swamids> metadata [https://en.wikipedia.org/wiki/SAML\\_metadata](https://en.wikipedia.org/wiki/SAML_metadata) has been signed with a key in a HSM [https://en.wikipedia.org/wiki/Hardware\\_security\\_module](https://en.wikipedia.org/wiki/Hardware_security_module). This has been fine since we previously only were creating a handful of metadata aggregation files <https://mds.swamid.se/md/> (of different sizes). The problem with the aggregated feeds is that it takes time and memory(!) to load an in SWAMID's case 80 MB XML <https://en.wikipedia.org/>....

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