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# Learn DNS using Python

DNS is a complex topic which many developers do not understand. People hear about one or two IP addresses of DNS servers which others are using and then they themselves start using them everywhere.

This workshop is a mix of history + current tools + code using existing Python modules to learn about how various parts of the DNS ecosystem work. We learn about how DNS actually works to how a resolver works, to even writing our own small authoritative dns server.

I already presented the first round of the workshop in the local Stockholm Python User group and planning to do a few more rounds of the workshop in Sweden and nearby places to smaller technical students and related groups. This helps to fine tune the workshop and have better flow ready.

## Length

Half day

## Optional: Speaker / convener biography

Kushal Das is a public interest technologist working at Sunet (https://sunet.se) where he helps to build secure and privacy focused tools and services. He is CPython core developer & a director at the Python Software Foundation. He is also part of the core team of the Tor Project, and a long time contributor to Fedora Project. In 2004 he founded Linux Users' Group of Durgapur. He also helps out journalists/activists with digital security trainings. He regularly blogs at https://kushaldas.in.

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**Track Classification:**   Workshops, training, tabletop games, hands-on exercises, birds of a feather sessions, etc.