

How to Write a Authentication Plugin

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Why am I Speaking to you Today?

- Good question!

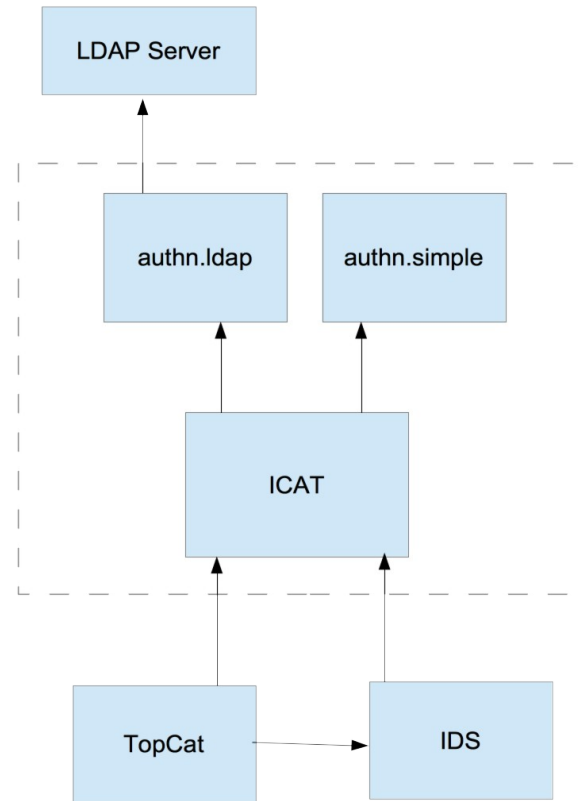
Why am I Speaking to you Today?

- I foolishly mentioned to Steve wrote an authentication plugin for Diamond
- In this case for CAS
 - i.e. Central Authentication Service
 - This will allow single sign on access between their various services
 - E.g. ISPyB and Topcat

Overview

- Explain where the authentication mechanism fits into the stack
- The basics of writing a plugin
- An overview of two (out of the box) plugins
 - authn.simple – a simple file based Authentication
 - authn.lldap – authentication using an LDAP service

How an Authentication Plugin Fits in



The Basics of Writing a Plugin

- Create a class that implements the Authenticator interface i.e:
 - `org.icatproject.authentication.Authenticator`
- This consists of two methods:
 - `authenticate(...)`
 - `getDescription()`
- Package it up so it.
- I recommend you adapt an existing plugin.

Implementing the Authenticator Interface

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Let's look at some code!

- First we'll at the interface to be implemented
- Next we'll look at the LDAP and simple plugins