

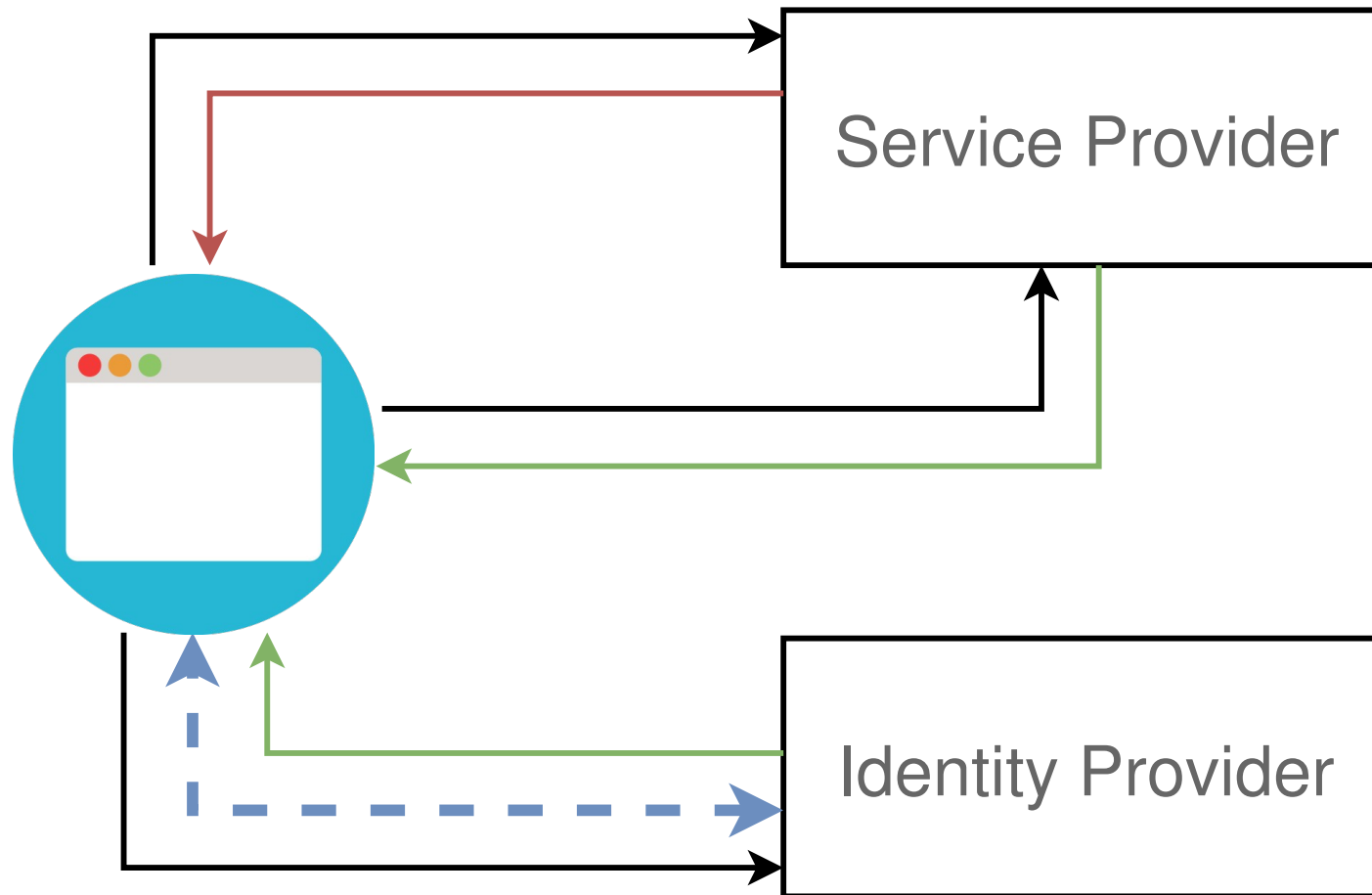
# Practical Federation

Jamie Lennox

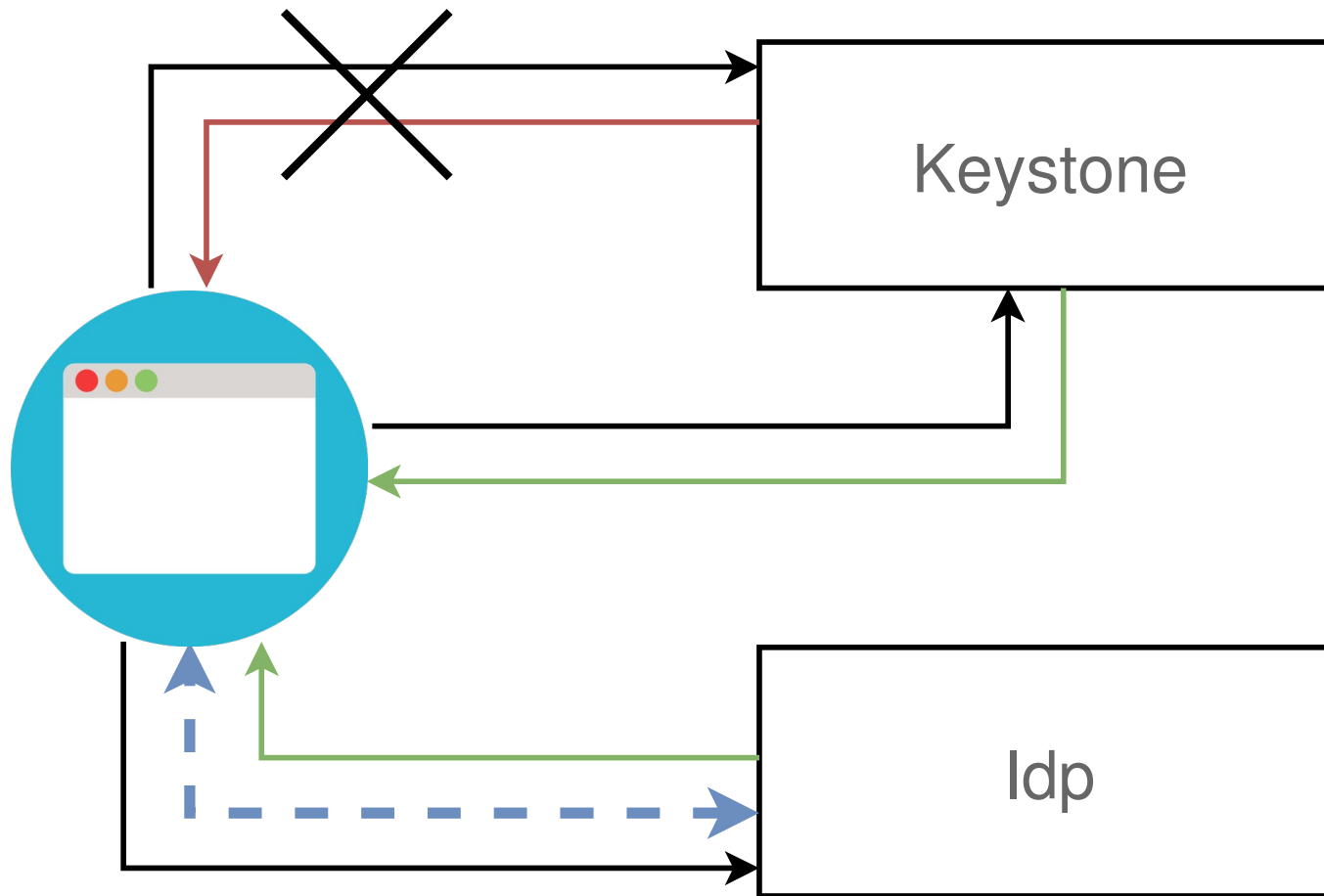
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31/07/2015

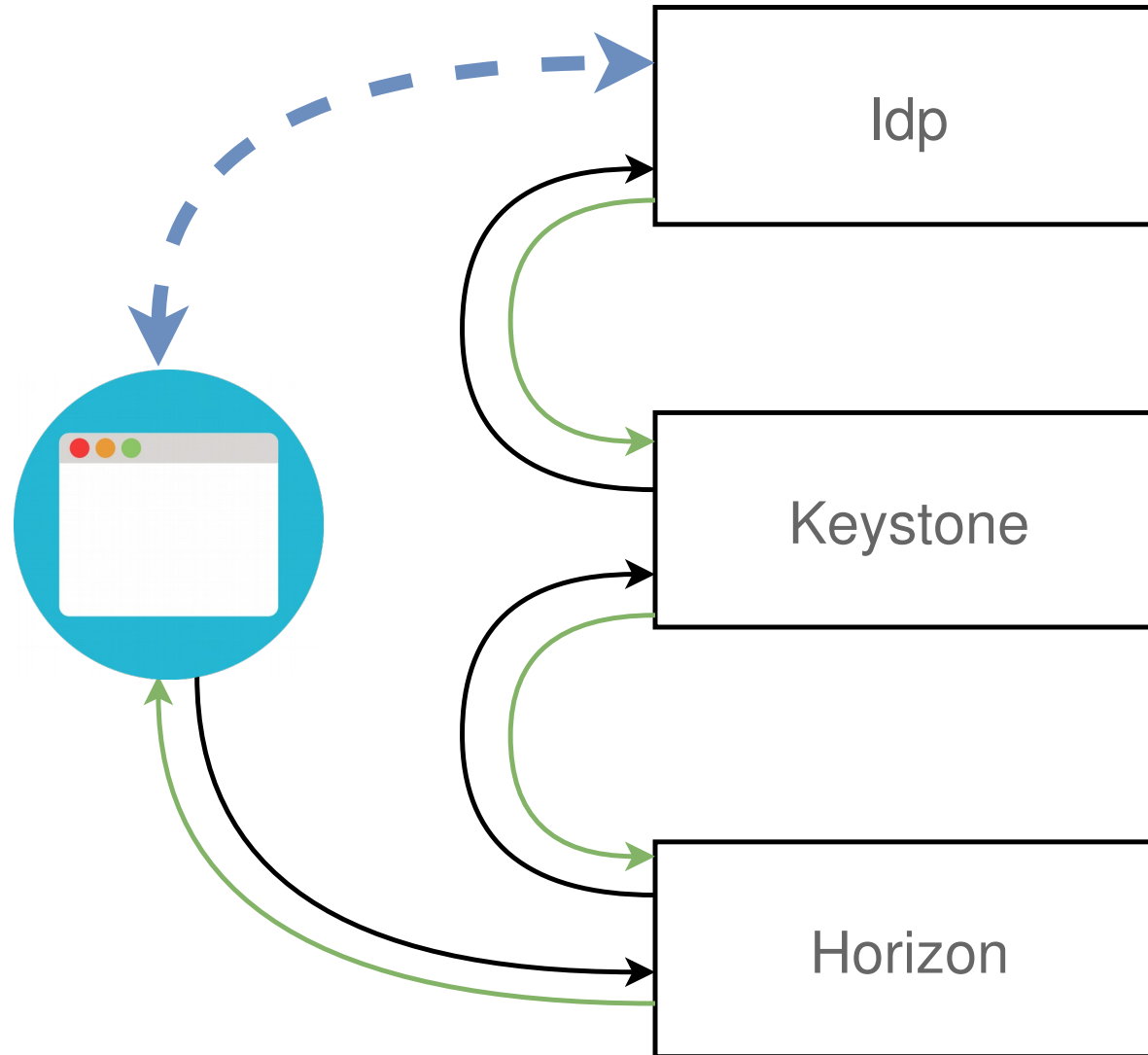
# Saml WebSSO



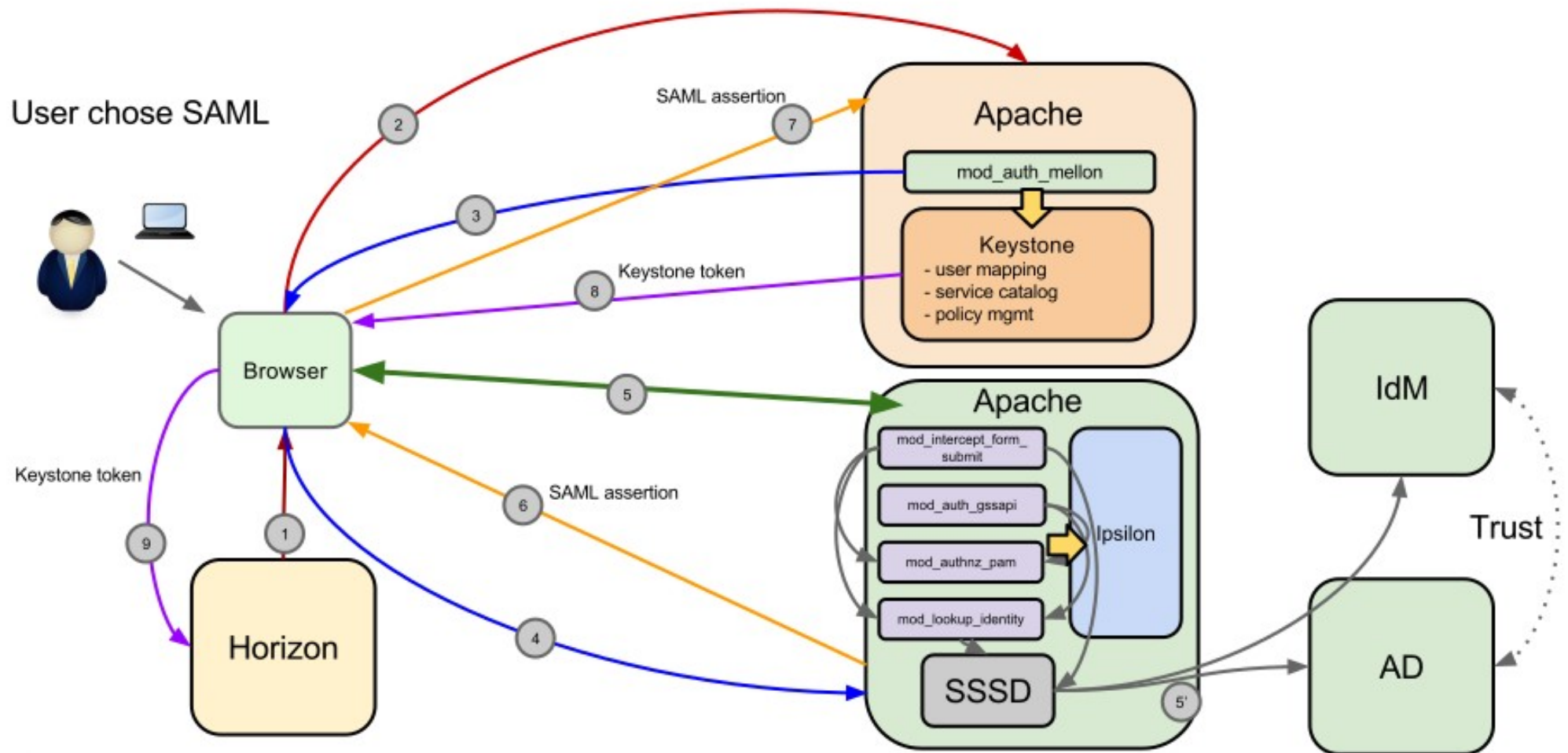
# It's not that simple...



# Adding Keystone



# Or more accurately...



# Ipsilon

- Universal Adapter of Identity Providers
  - Frontend: SAML
  - Backend: SSSD, PAM
  - Authentication: Password, Kerberos
- 1.0.0 Released on 2015-05-12
- <https://fedorahosted.org/ipsilon/>

# Demo

- Kilo
- Nova, Glance, Cinder, Keystone, nova-network
- V3 Identity everywhere
- FreeIPA, Ipsilon
- [github.com/jamienlennox/pyconau2015-ansible/](https://github.com/jamienlennox/pyconau2015-ansible/)
  - does rely on some non-public nightly repos

**WAYS OF THE FORCE, I WILL  
TEACH YOU.**



**HOLD MY BEER.**



# Steps

- Configure horizon to use websso
- Configure keystone to accept SAML websso
- Create the identity provider in keystone
  - Keystone uses a single websso entry point (per protocol)
  - Must link between the IDP and SAML provider URL
- Set up the openstack groups and roles
- Map properties from Idp into keystone

# Takeaways

- It's not trivial, but it's not that hard
- Take care with your mappings
- WebSSO is configured differently to CLI federation

# Questions?

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