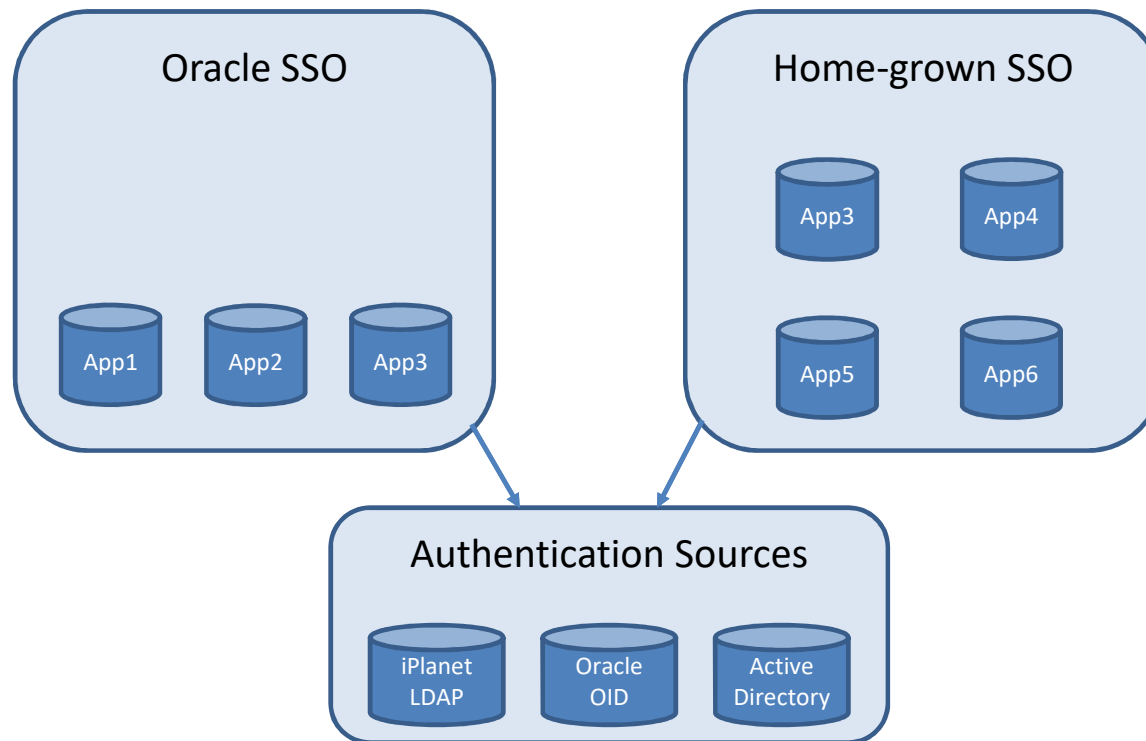




# **F5-APM: the “glue” for USQ’s SSO and Access Management Solution**

Presented by  
Daniel Ehrlich

## In the beginning...



# The Project...



## Scope...

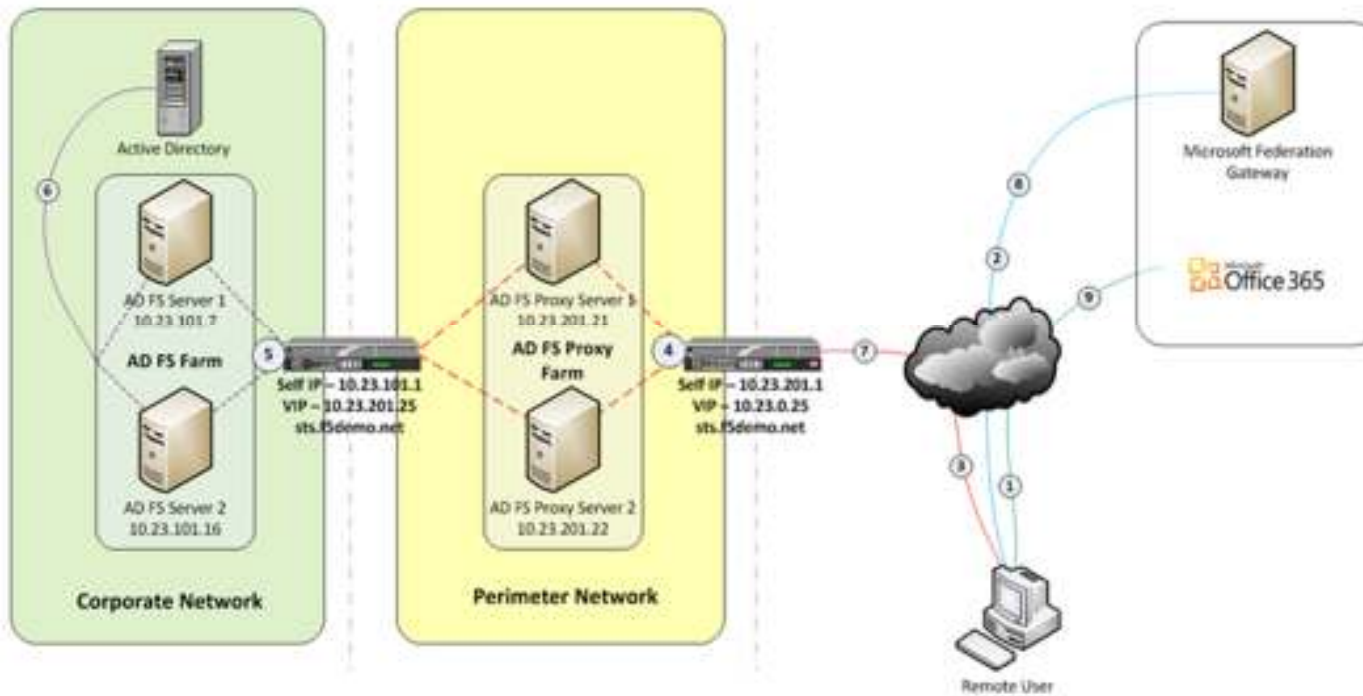


# Challenges...



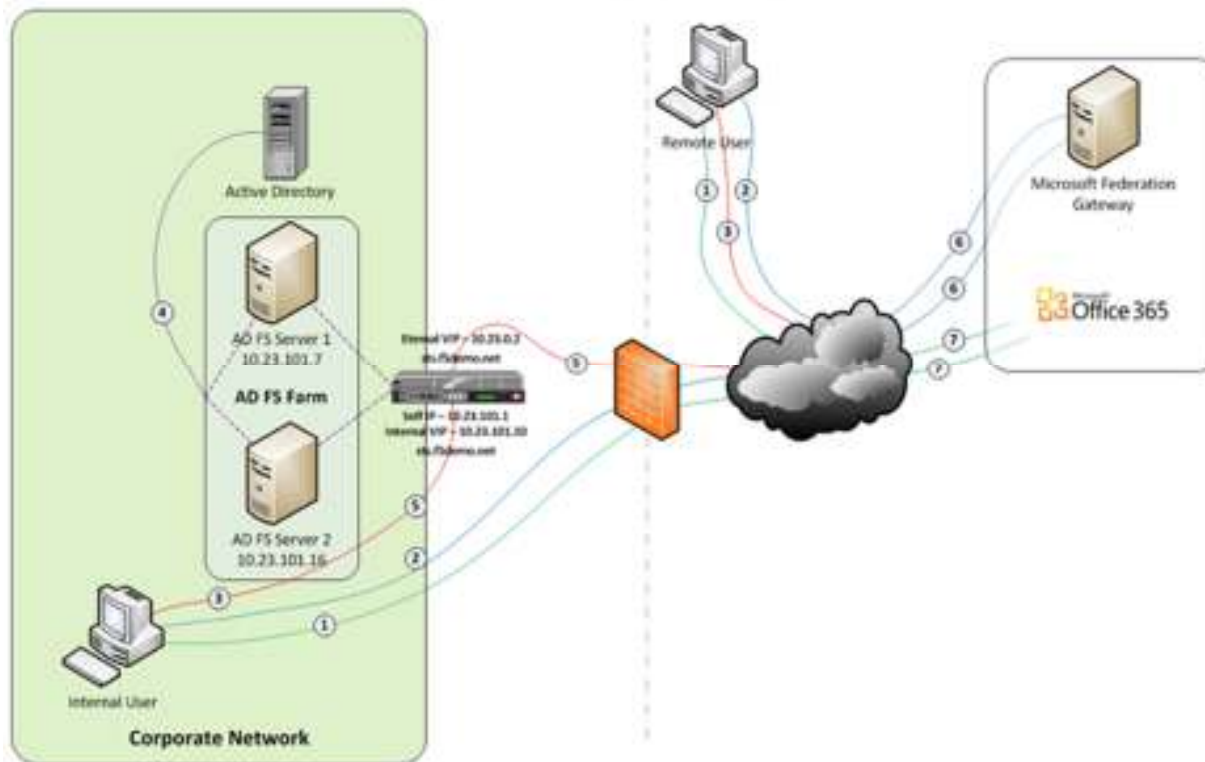
# ADFS (F5 HA)...

Figure 1 – BIG-IP load balancing and optimizing ADFS and ADFS Proxy



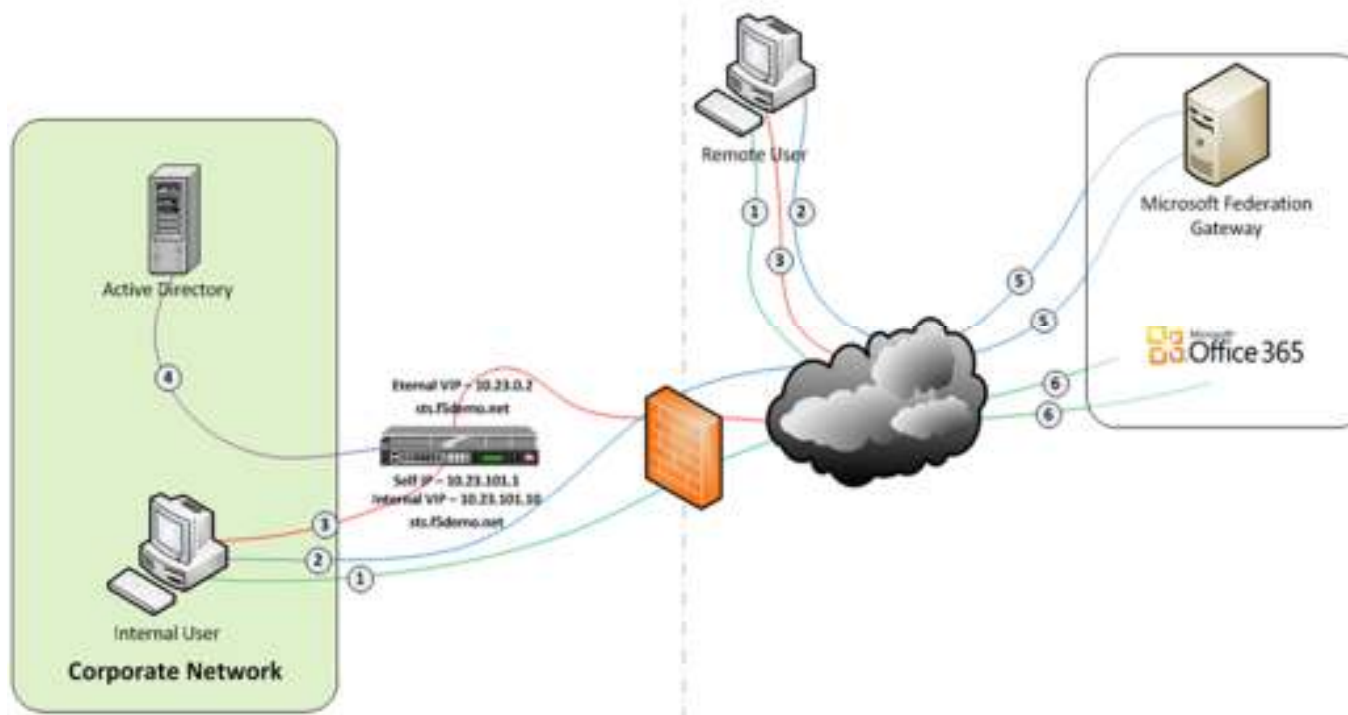
# ADFS (F5 Proxy and HA)...

Figure 2 – BIG-IP with APM replacing the ADFS Proxy layer



# No ADFS...

Figure 3 – BIG-IP with APM replacing the entire ADFS infrastructure





# Customisations...



Secure Logon  
for F5 Networks

Username  
jrahm

Password  
\*\*\*\*\*

Domain  
devcentral

Logon

Before

UNIVERSITY  
OF SOUTHERN  
QUEENSLAND

Username

Password

Logon >

[Forgotten Password?](#)

[Trouble logging in?](#)

After

# Customisations...





# SSO Them All...



WORDPRESS



Jobe Creative Cloud



## Tools and Tips...



- SAML tracer add-on
- Documentation and successful captures
- Practice



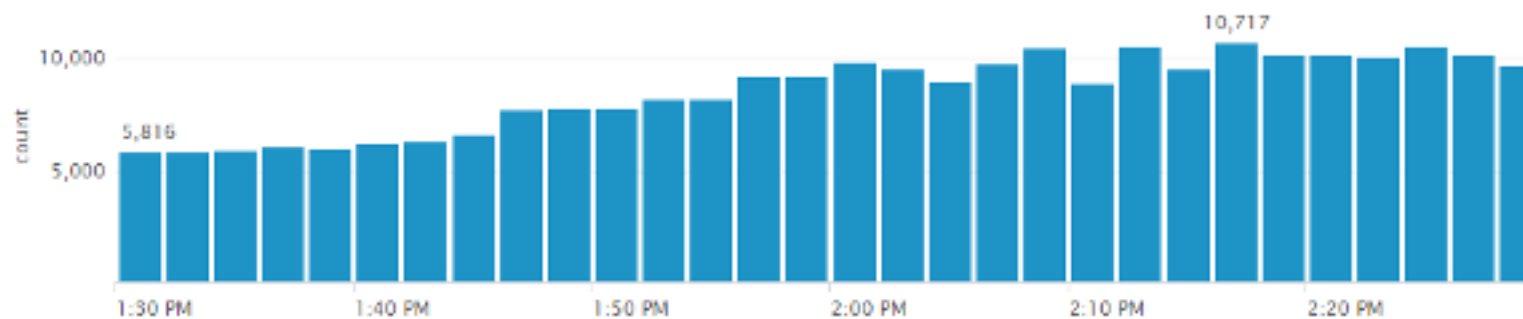
“Read the logs”

## Our F5 APM...

- Over 55 systems SSO'd
- v12 running very stable and reliable
- Brute force detection and prevention
- Integrated with Splunk



Concurrent SSO Sessions



## Our Future SSO...

- Captcha on login page for failed attempts
- Step-up auth in v13
- Duo for 2FA
- F5 APM to replace all OAuth roles



## Conclusion...

