

Web Access Management and SSO: Transitioning from Sun to Oracle

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CANHEIT 2011
The Nature of Technology



McMaster University
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CHANGING LIVES
IMPROVING LIFE

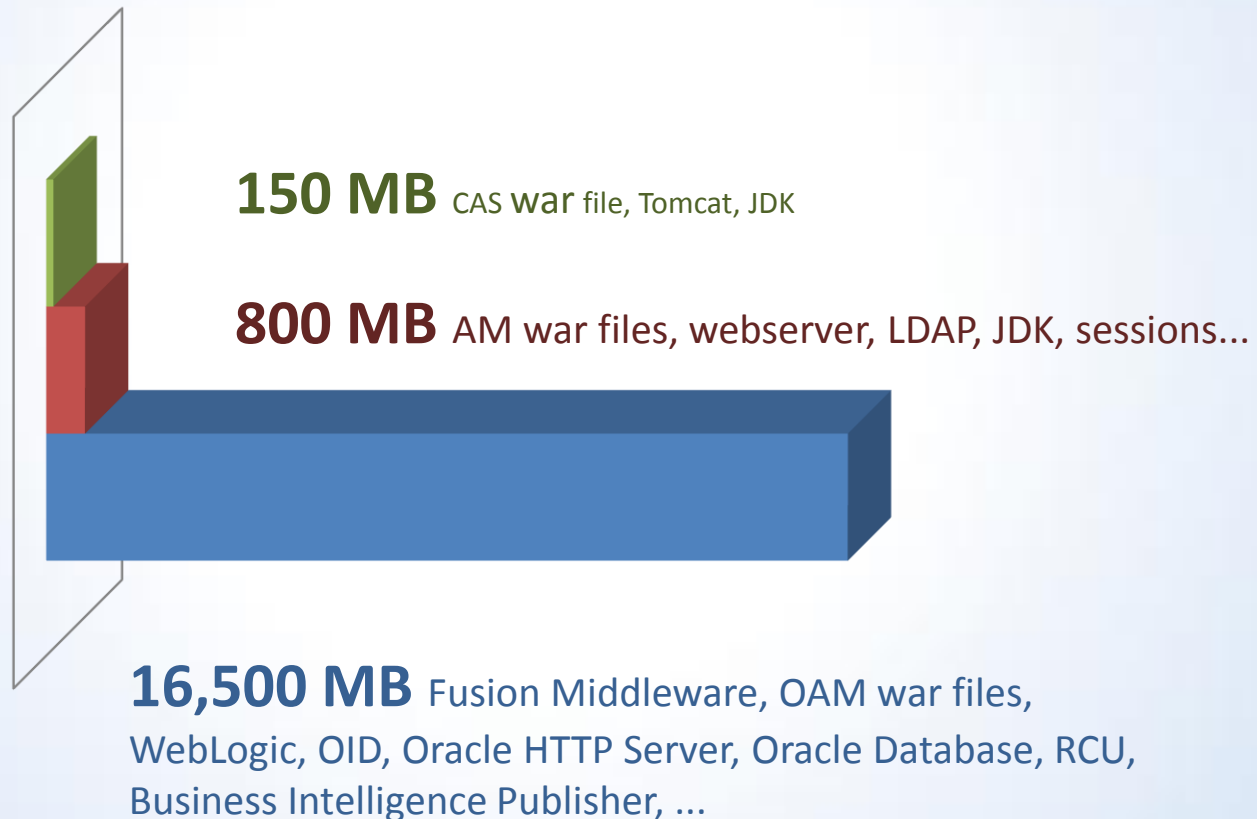


CANHEIT 2011
The Nature of Technology

wam
complexity
is increasing **exponentially**

size of compressed installation files

■ CAS ■ Sun AM ■ Oracle AM



trends in WAM products

maturing technology

bundled solutions

integration with identity management

adaptive access control

cloud and SaaS

market consolidation

source: Gartner



from SAM to OAM – the outline

Lessons learned from running SSO w/Sun AM

What is Oracle AM and our transition to OAM



access management at UofG

2007	evaluation – CAS, Sun Access Manager
2008 Sep	Sun AM in production, adding SSO partners
2010 Winter	Oracle finalizes acquisition of Sun
2010 May	UofG SSO reaches entire campus
2011 Summer	UofG transitioning to Oracle AM



three years with SSO

What mattered the most:

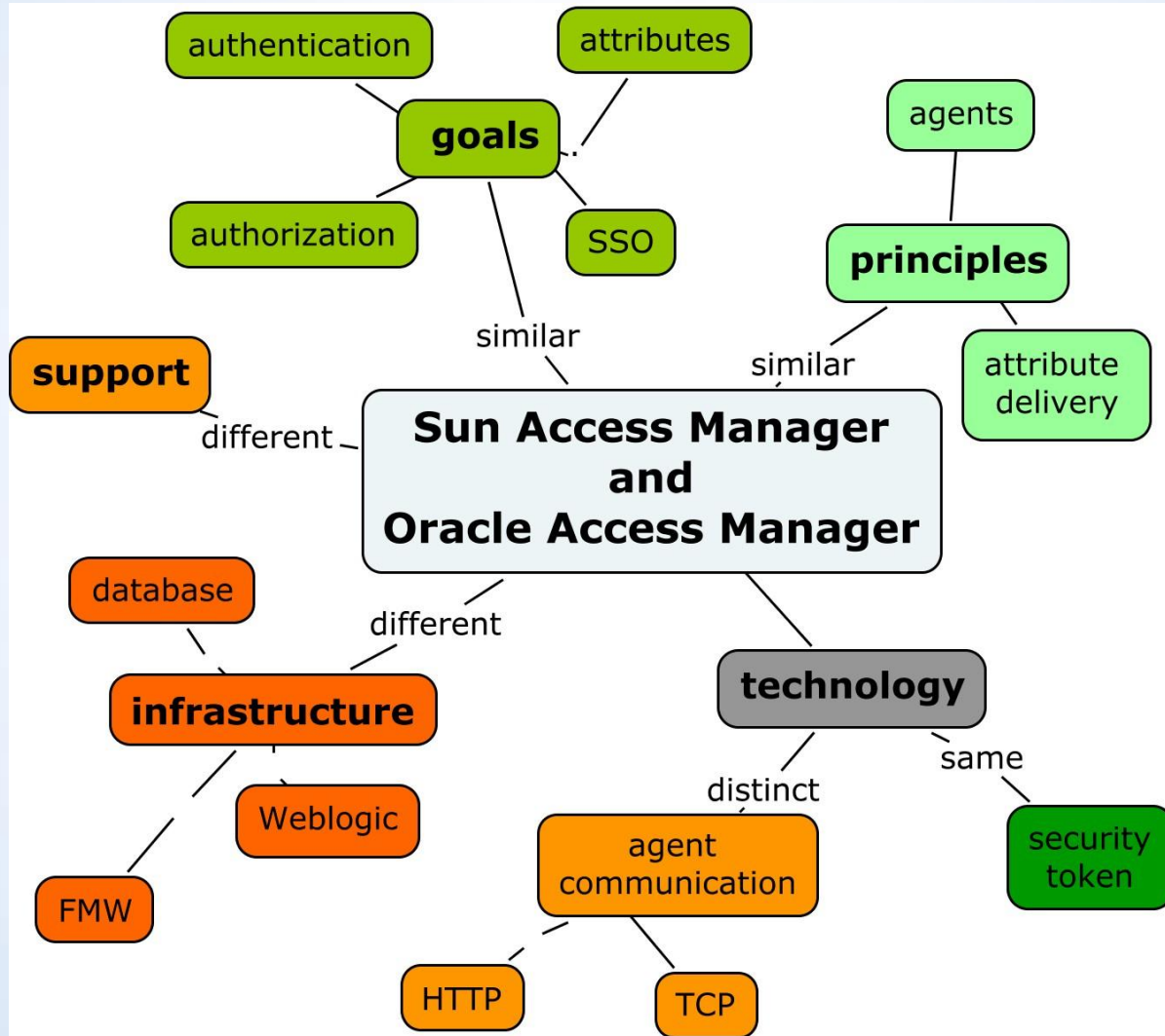
clients: packaged solutions (toolkits)

technology: HA cluster

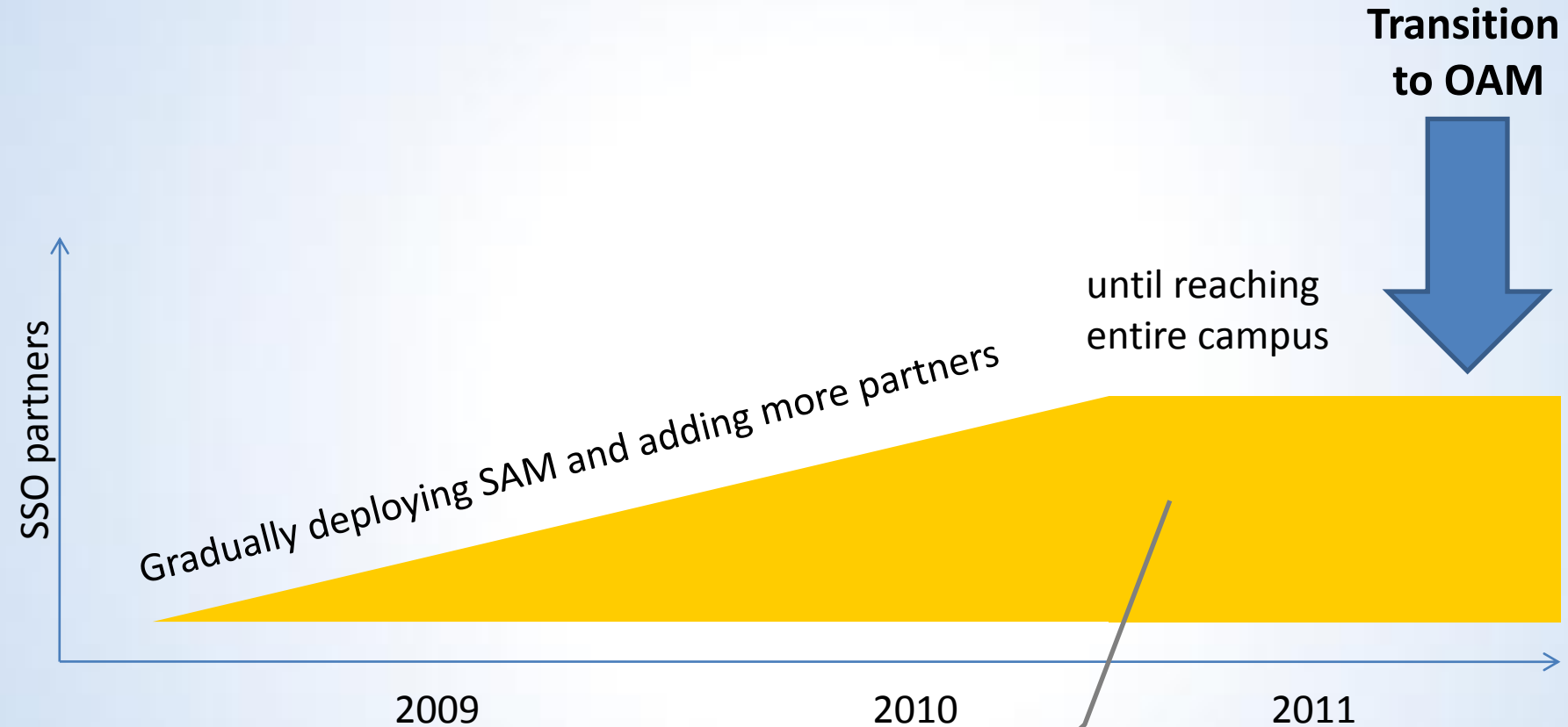
operational: SSO life-cycle monitoring



Oracle AM and Sun AM (openSSO)



deployment of SAM vs. transition to OAM

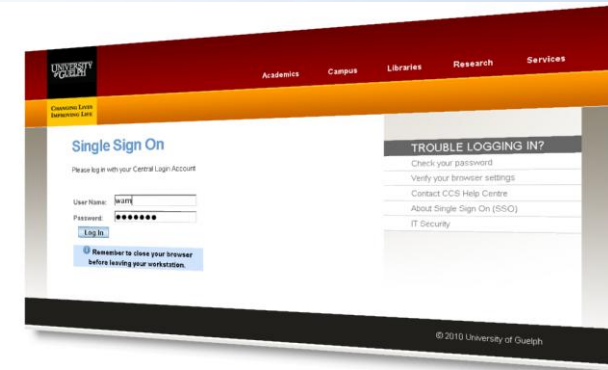


User expectations:
SSO interface,
performance, ...



goals for the transition with solutions

Continuity for campus community:
consistent authentication UI



Minimum effort for content providers:

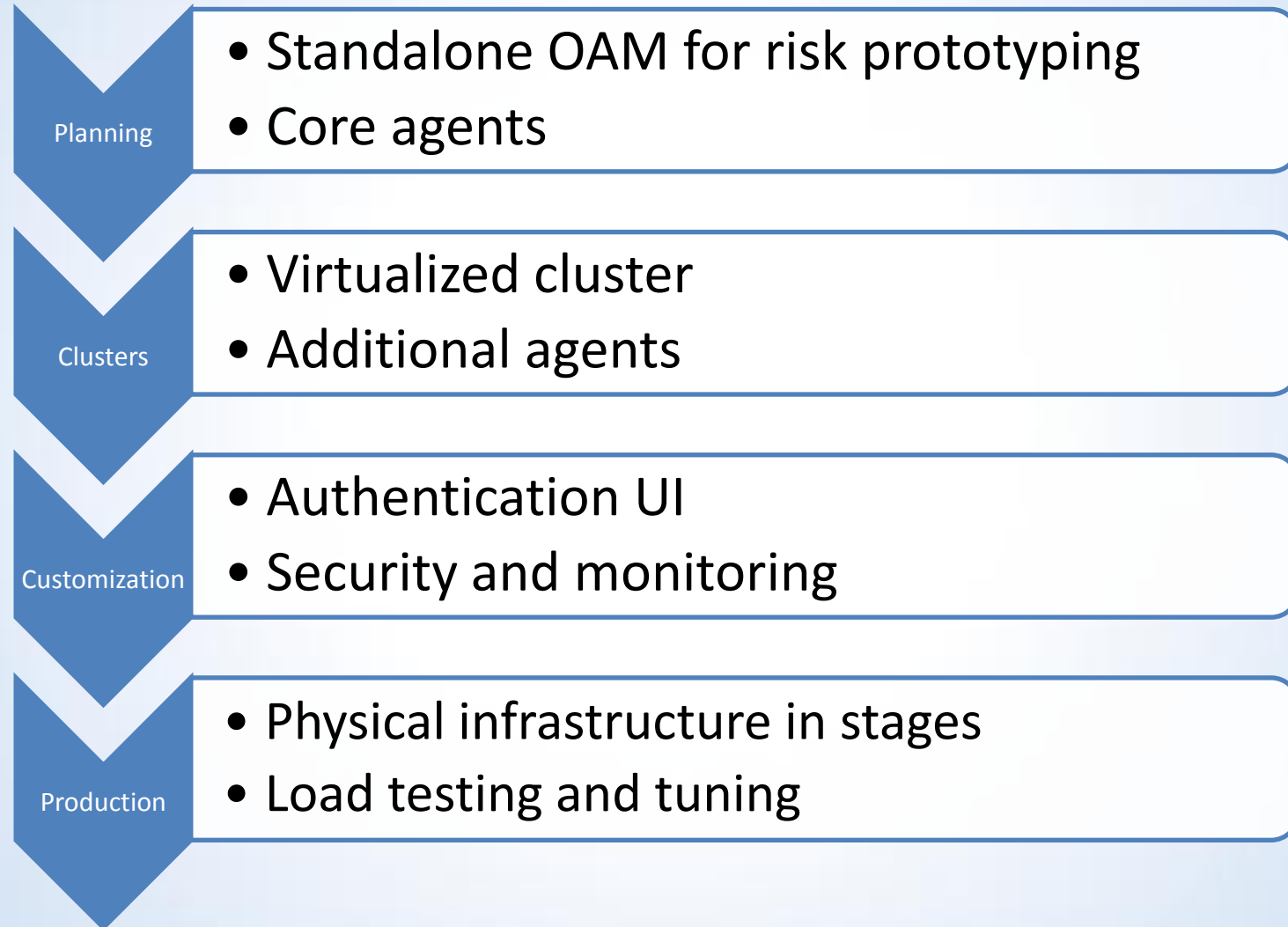
WAM toolkits (ColdFusion, php, PL/SQL)

Critical service aspects - security, availability,
flexibility

**clustered app and db layer
virtualization of dev and test servers**



iterations through 4 stages

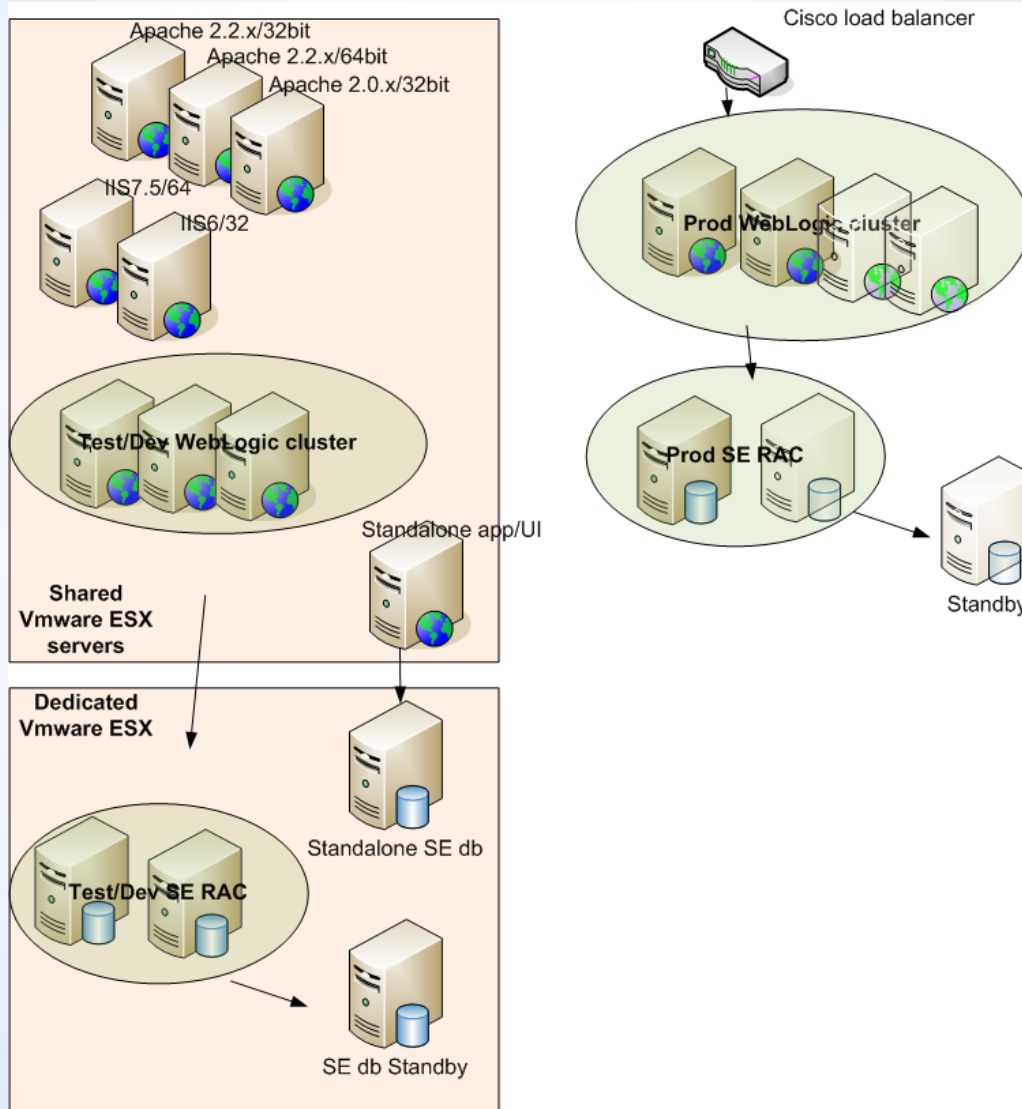


Post-production tuning

deployment diagram

Application and client servers on central VMware

Database servers on dedicated VMware

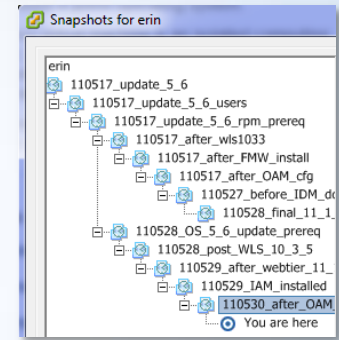


Production servers

transition challenges and solutions

Technology versus licensing: **risk prototyping**

Patching, security and clustering complexity: **staging with VMware snapshots**



Multilayer infrastructure: **cross-disciplinary expertise**



summary

transitioning to Oracle AM

risks minimized by interfaces (what-if approach)

increasing technical complexity and Oracle licensing

benefits of virtualization/snapshots

clustering for HA and maintainability



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THANK YOU

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or see <http://docs.identity.uoguelph.ca>

