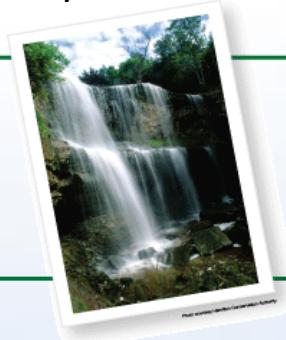


# Web Access Management and SSO: Transitioning from Sun to Oracle

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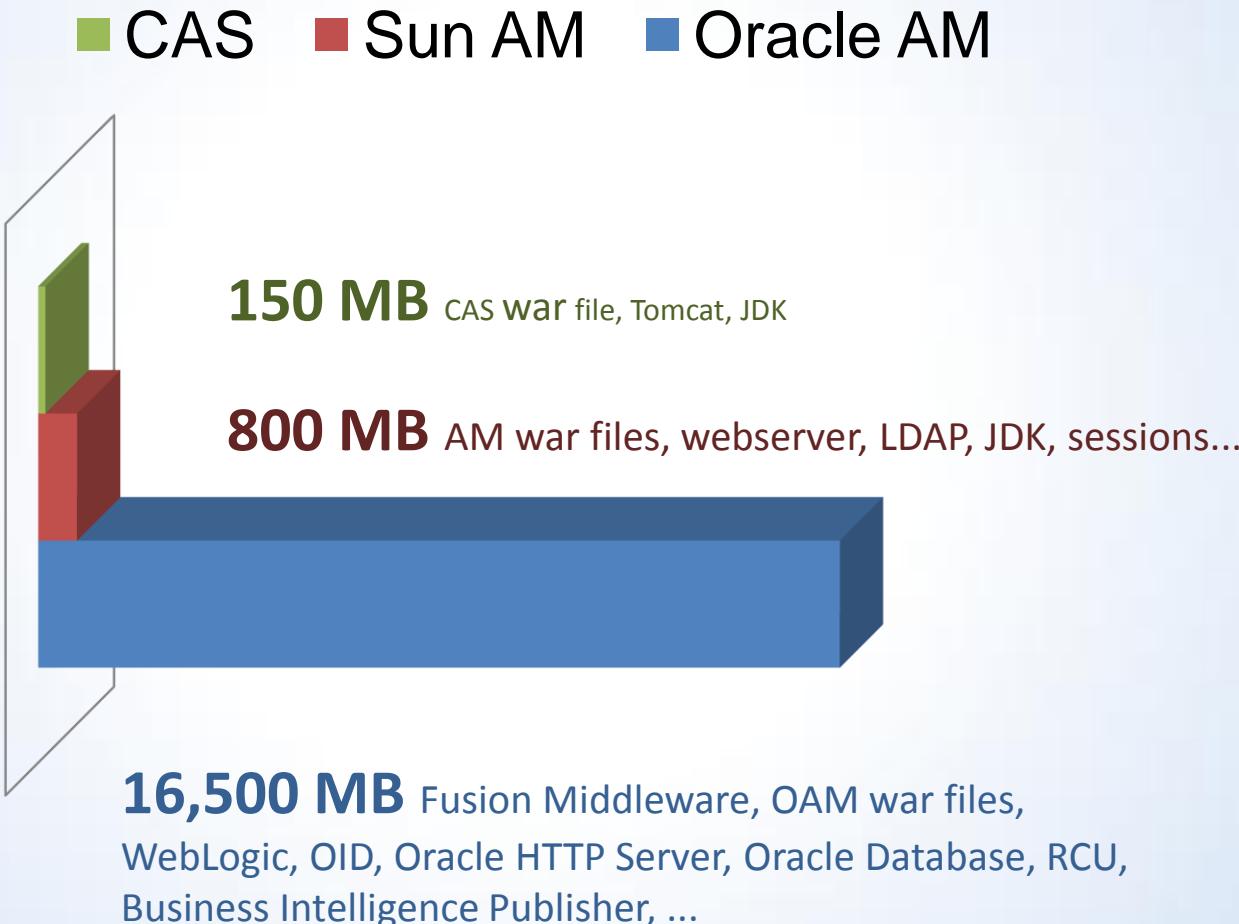
UNIVERSITY  
*of* GUELPH

CHANGING LIVES  
IMPROVING LIFE



wam  
complexity  
is increasing **exponentially**

# size of compressed installation files



# 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:

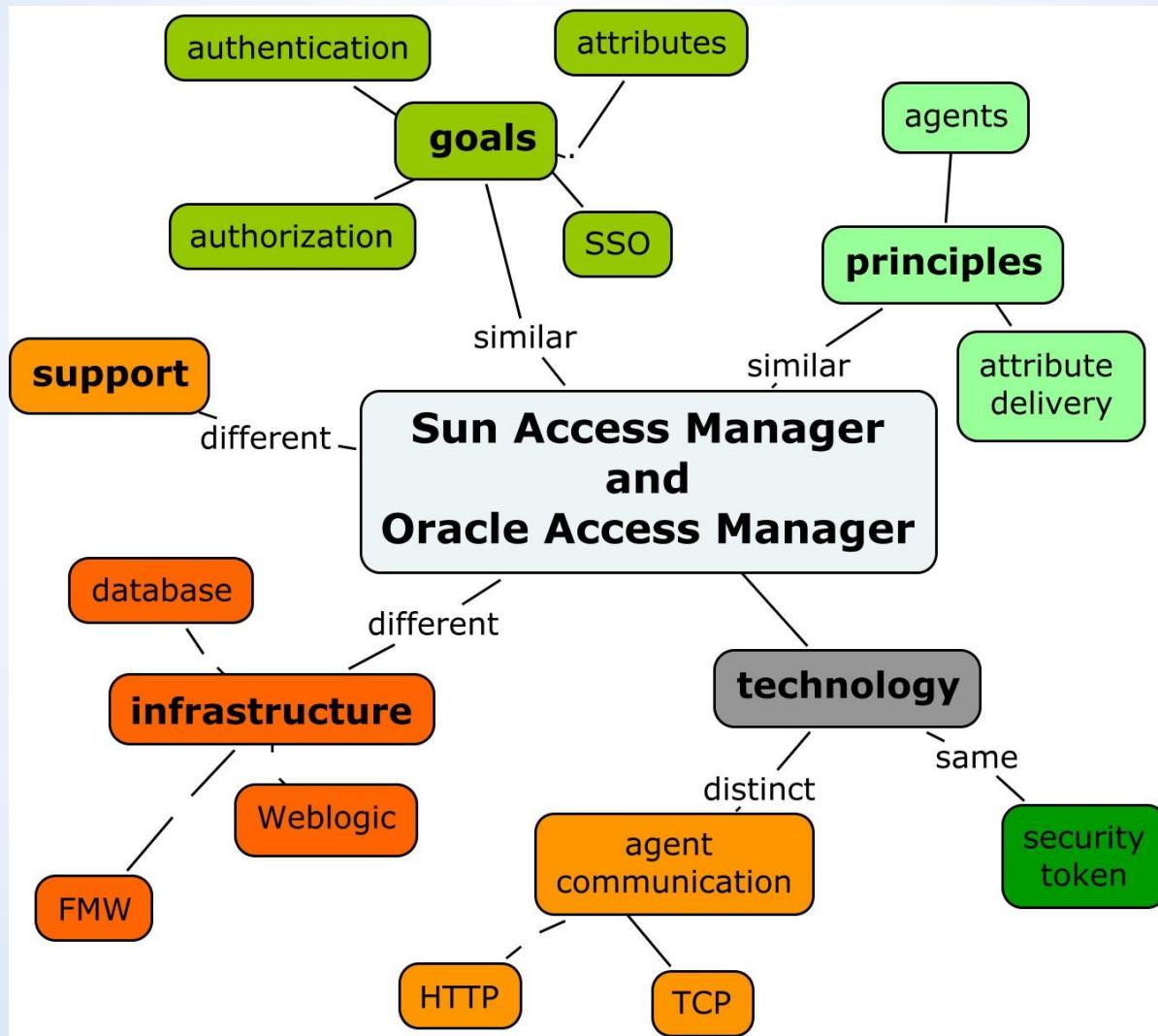
**clients:** packaged solutions (toolkits)

**technology:** HA cluster

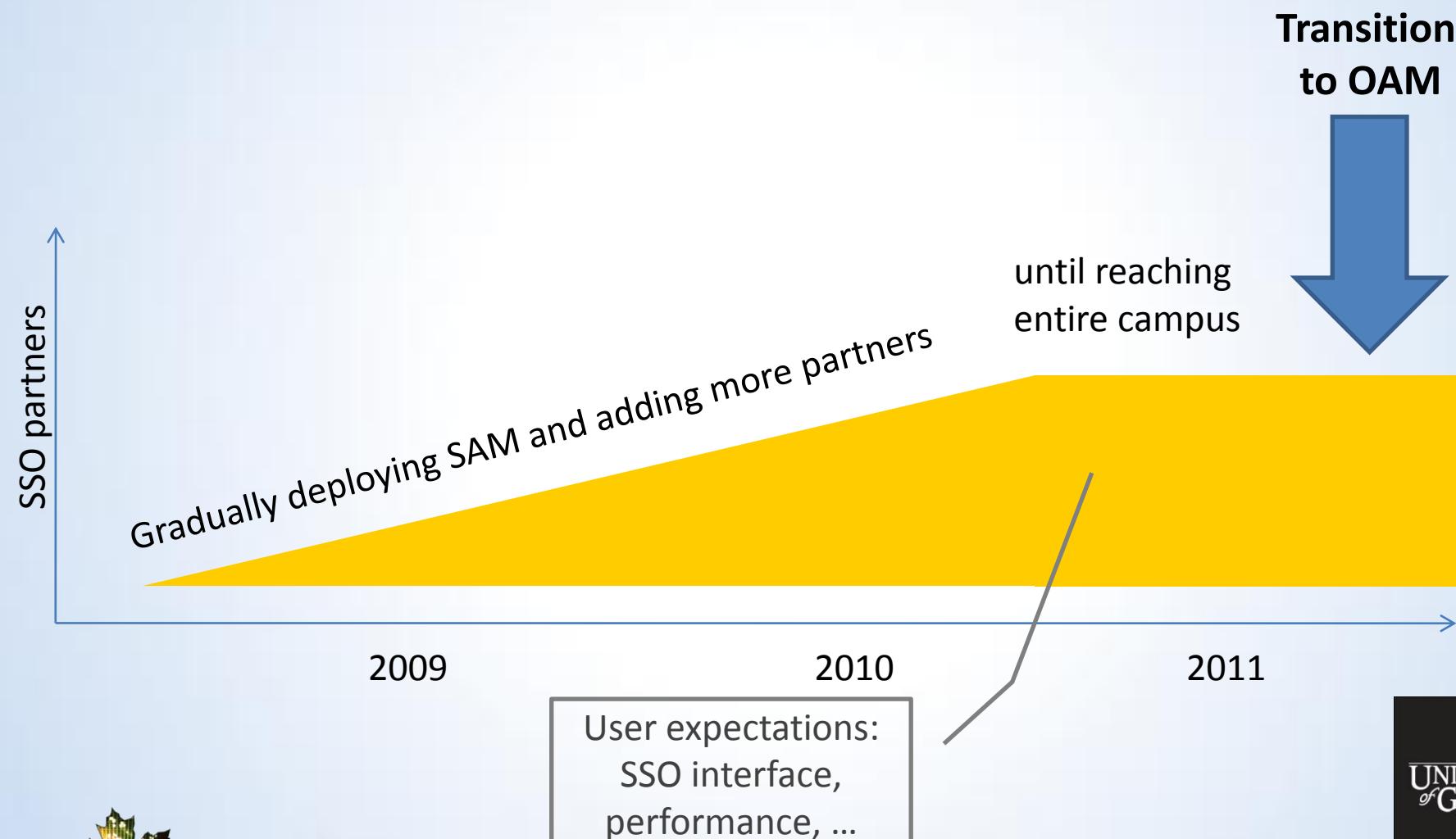
**operational:** SSO life-cycle monitoring



# Oracle AM and Sun AM (openSSO)

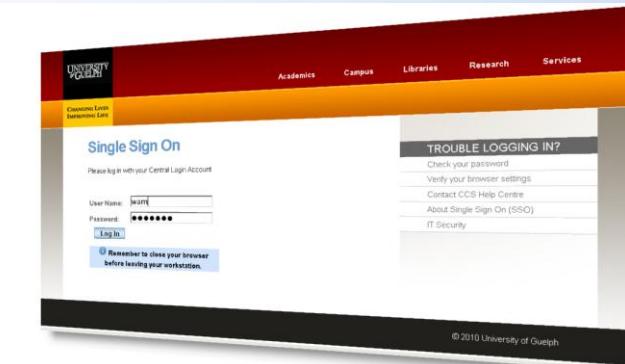


# deployment of SAM vs. transition to OAM



# goals for the transition with solutions

Continuity for campus community:  
**consistent authentication UI**



Minimum effort for content providers:

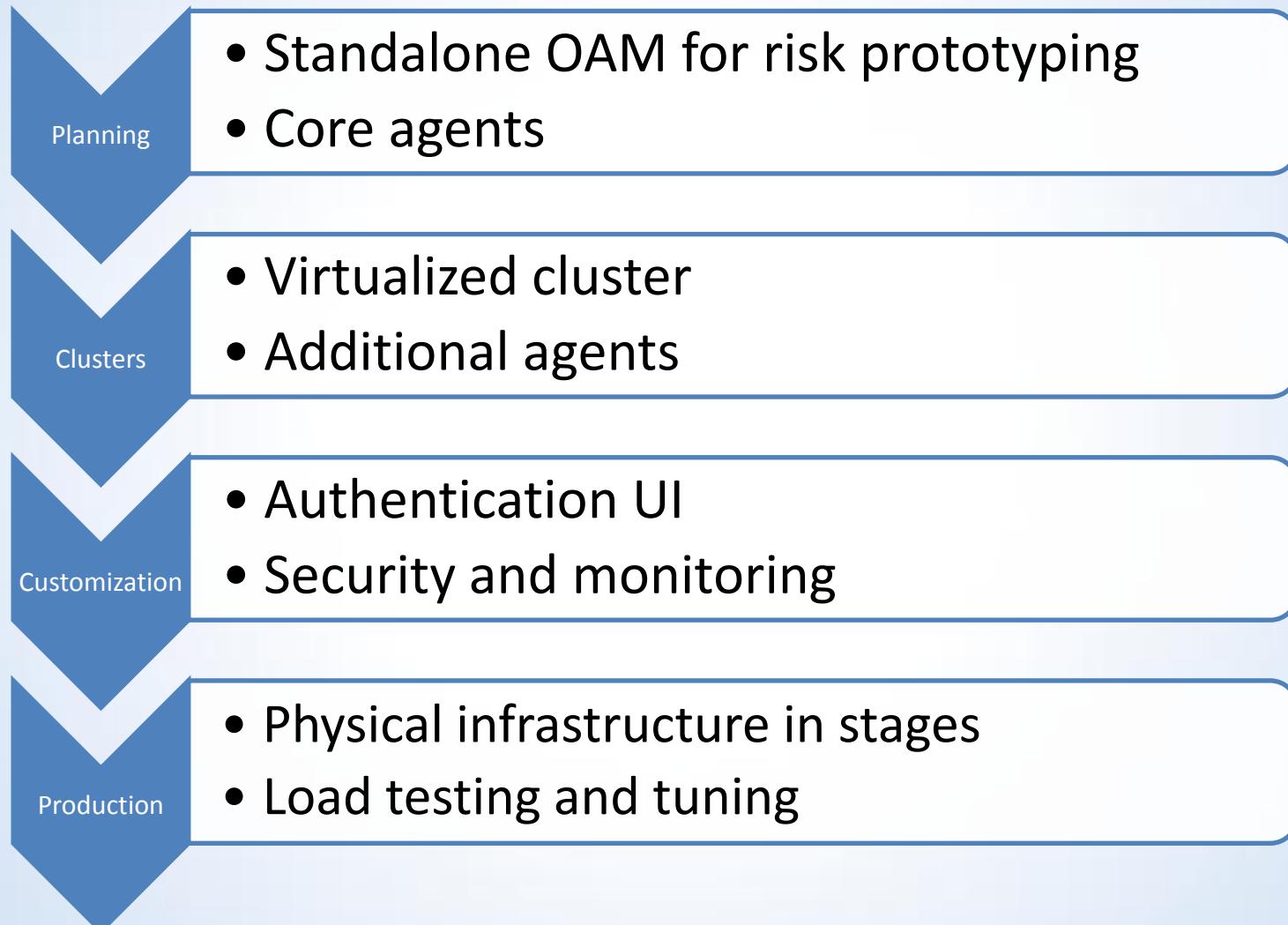
**WAM toolkits (ColdFusion, php, PL/SQL)**

Critical service aspects - security, availability, flexibility

clustered app and db layer  
virtualization of dev and test servers



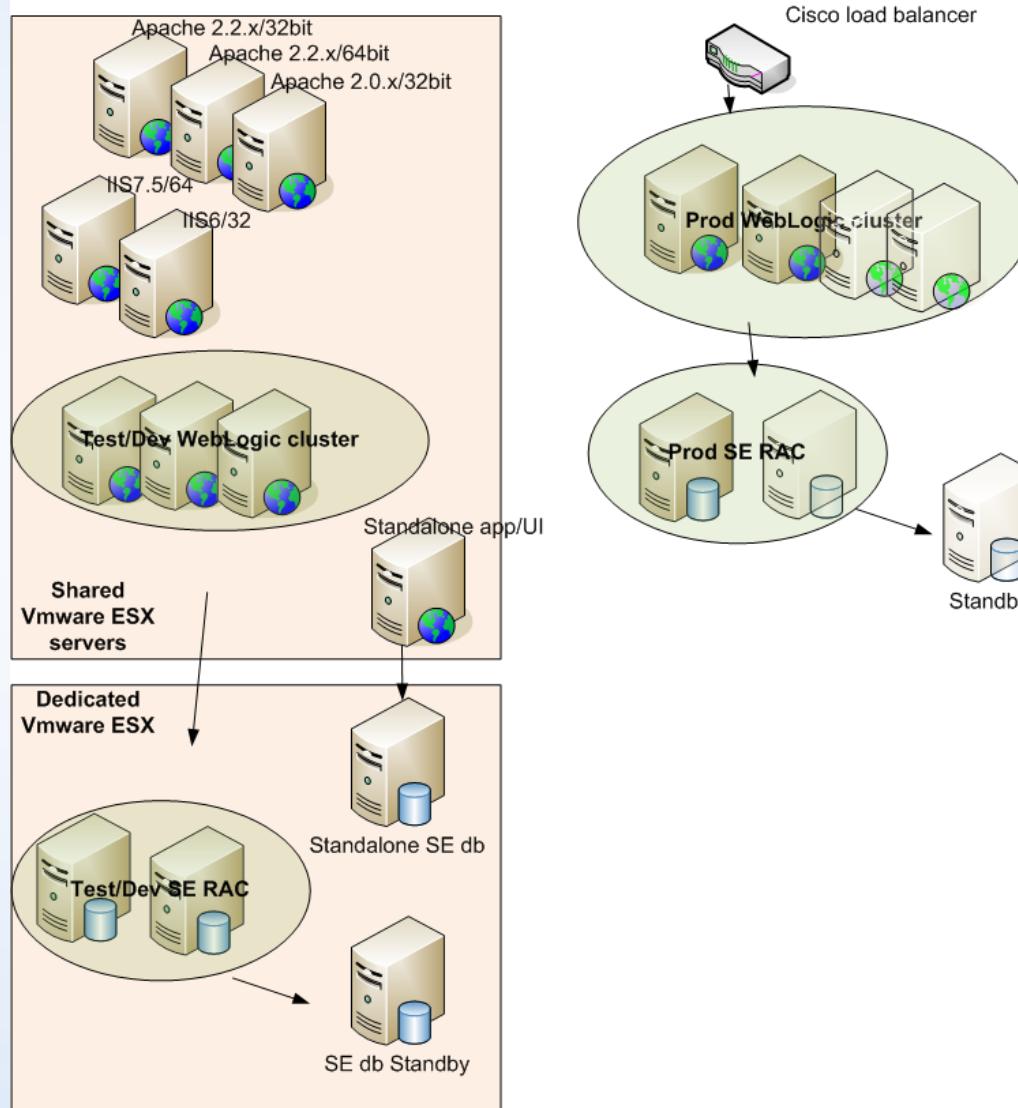
# iterations through 4 stages



Post-production tuning

# deployment diagram

Application and client servers on central VMware



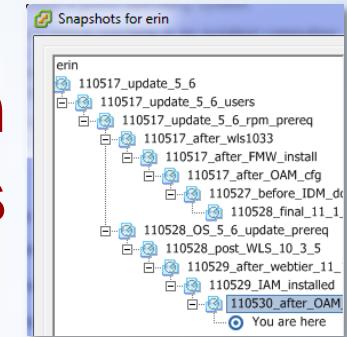
Database servers on dedicated VMware

# 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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