Identity Based Clusters of Applications
for Collaboration and eLearning

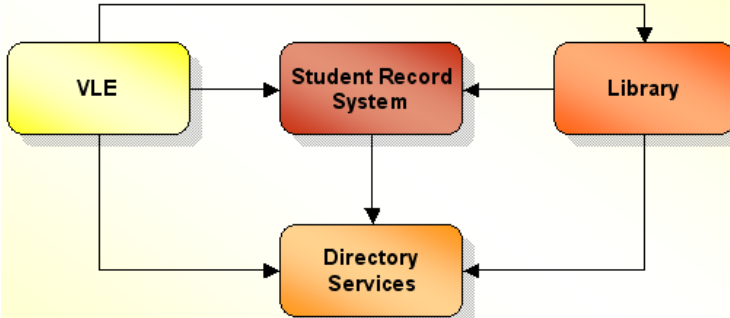Jose A. Accino[1]   Manuel Cebrian[2]   Victoriano Giralt[1]

[1]Central ICT Services

[2]Faculty of Educational Sciences
University of Malaga

EUNIS
Santiago de Compostela
June 25th 2009

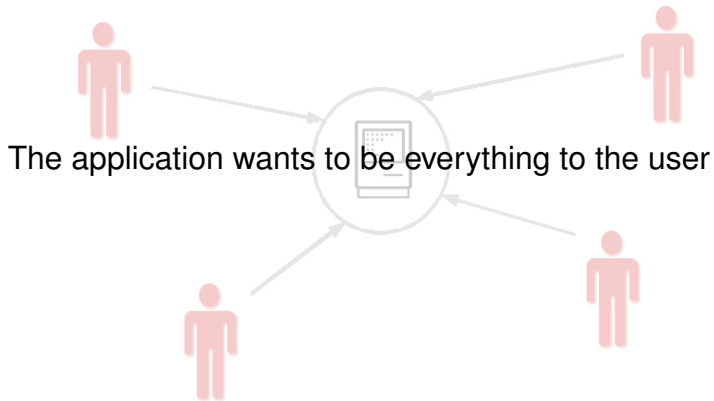# An ideal
Enterprise Application Integration for Universities

Application centric
the paradigm of the monolithic platform

Application centric
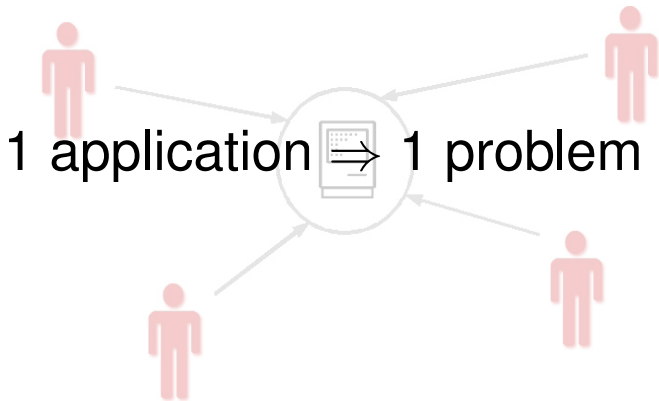the paradigm of the monolithic platform

The application wants to be everything to the user

The feature race
and endless rush to nowhere

Severe case of kitchen sink syndrome

The platform application
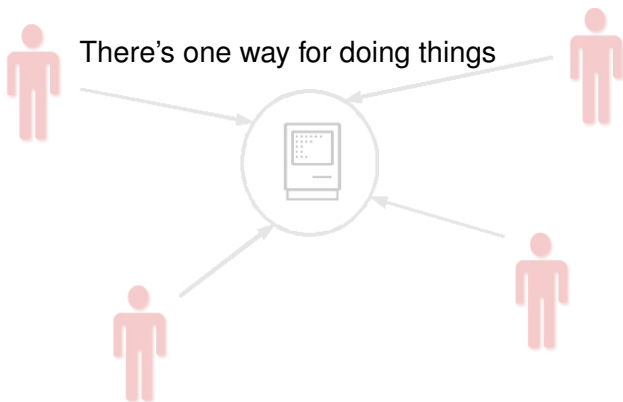a cure for your problems

1 application $\Rightarrow$ 1 problem

The platform application
a cure for your problems?

Applications have an attitude

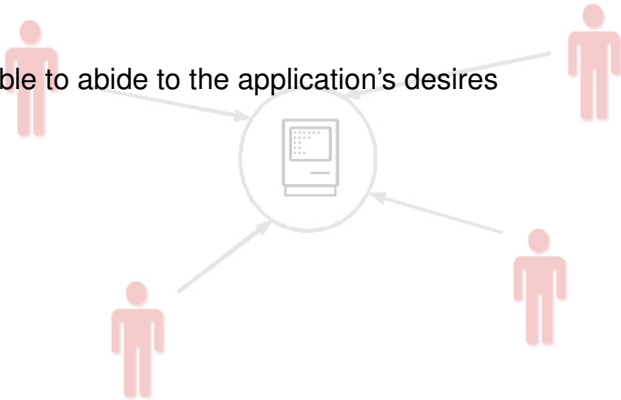## The platform application
a cure for your problems?

There's one way for doing things

The platform application
a cure for your problems?

There's one way for doing things

Provisioning
bending processes to *the attitude*

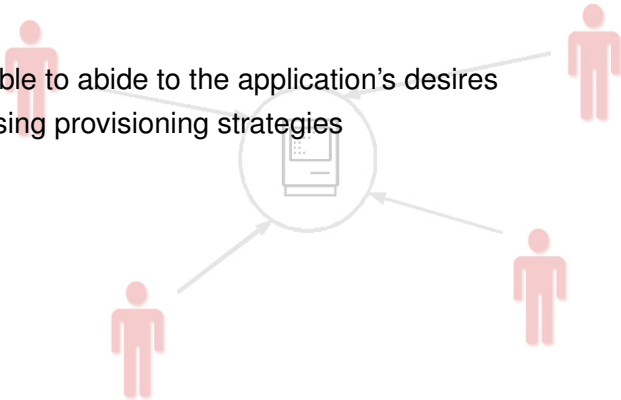It is possible to abide to the application's desires

Provisioning
bending processes to *the attitude*

It is possible to abide to the application's desires
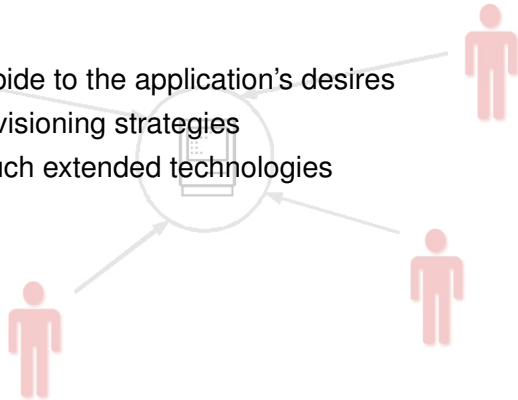
- Devising provisioning strategies

Provisioning
bending processes to *the attitude*

It is possible to abide to the application's desires

- Devising provisioning strategies
- Using not much extended technologies

Provisioning
bending processes to *the attitude*

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- Reciting obscure incantations

Provisioning
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Provisioning
bending processes to *the attitude*
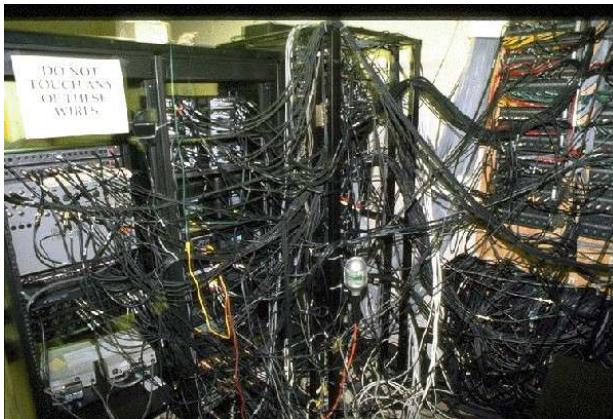
The institution
hostage to the application

personal tribute to Ingrid Betancourt

Users with previous experiences
they bring expecttions

Are we doomed?
what can developers and sysadmins do?
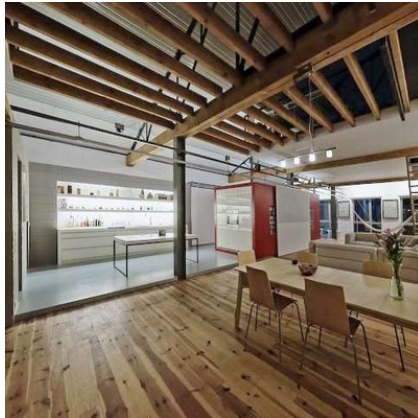
FIAM
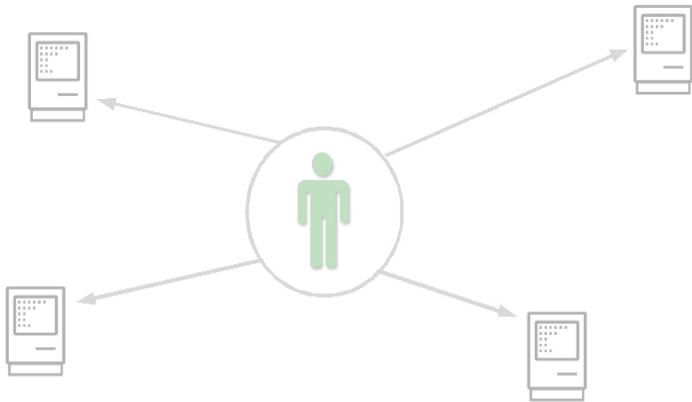Federated Identity is coming to our rescue

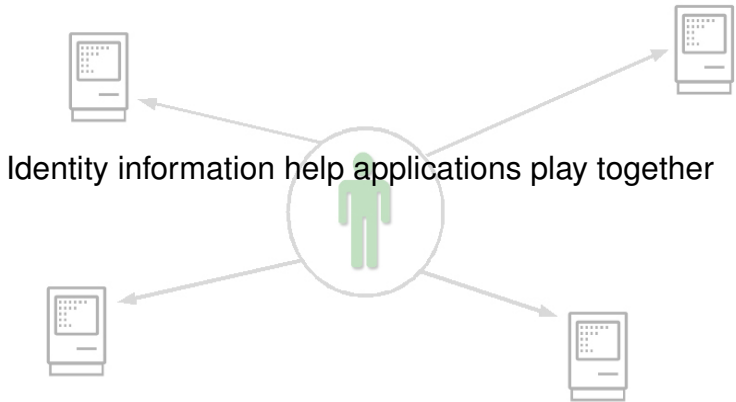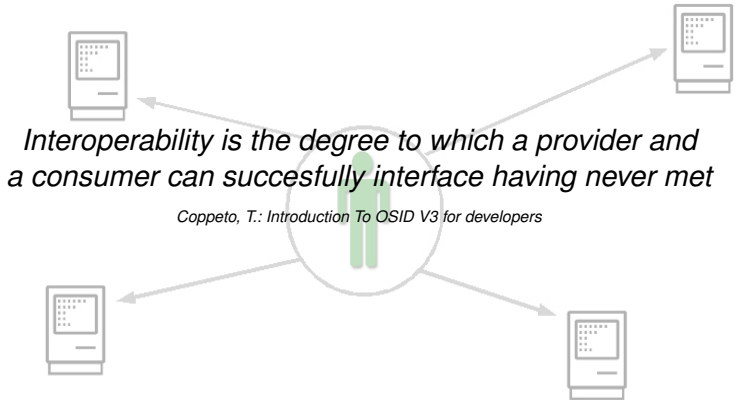# Old model
rooms and walls

New model
an open seamless space

User centric
use the identity to put the user in control

User centric
use the identity to put the user in control

Identity information help applications play together

User centric
use the identity to put the user in control

*Interoperability is the degree to which a provider and
a consumer can succesfully interface having never met*

Coppeto, T.: Introduction To OSID V3 for developers

Agora virtual®
eating our own dog food

Agora virtual®
the big picture
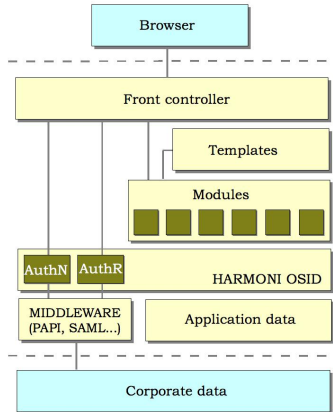
Agora virtual®
Authentication architecture

APPLICATION ←——→ SSO INFRASTRUCTURE

SP ←——→ IdP

| OSID
isUserAuthenticated() | phpPoA
check_Access() | GPoA
(Assertion) | Login
LDAP, Radius |

SAML 2.0
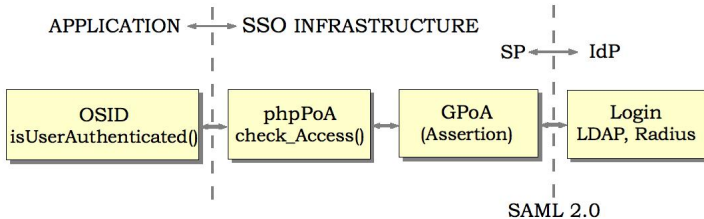
Agora virtual®
Authentication process
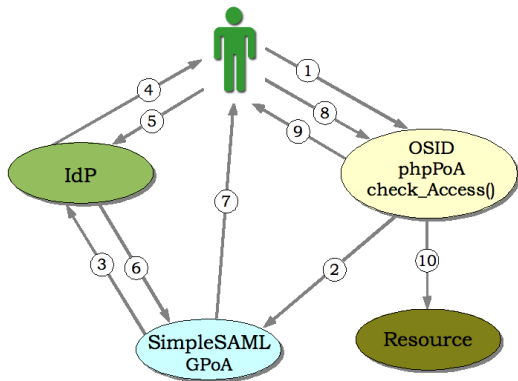
Applications that play together
Centered around the user

Central ICT clustered apps
Tools for collaborating

Central ICT clustered apps
Tools for colaborating

We provide tools for groups to work together

Central ICT clustered apps
Tools for colaborating

We provide tools for groups to work together

- Group management

Central ICT clustered apps
Tools for colaborating

We provide tools for groups to work together

- Group management
- Wiki

Central ICT clustered apps
Tools for colaborating

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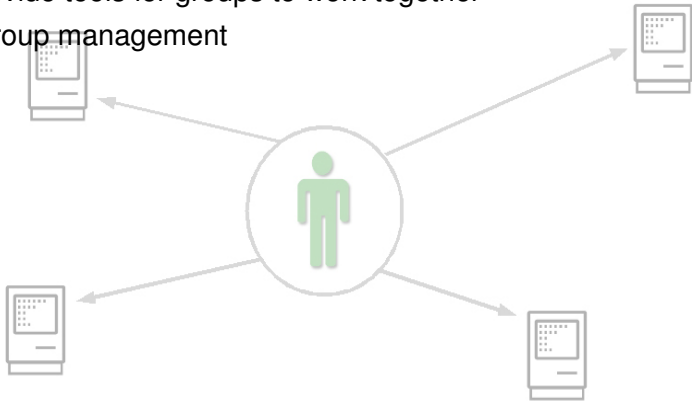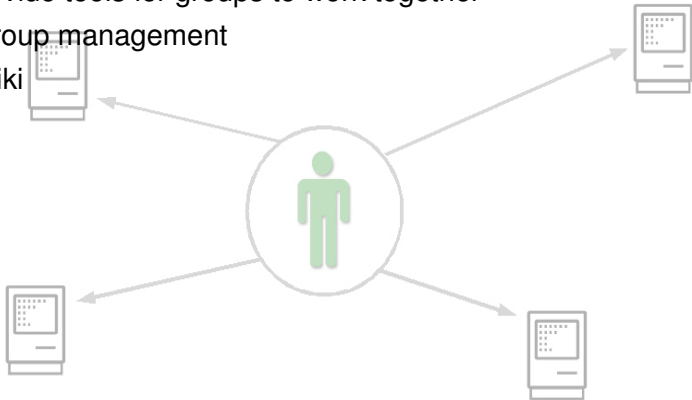- Group management
- Wiki
- Blog

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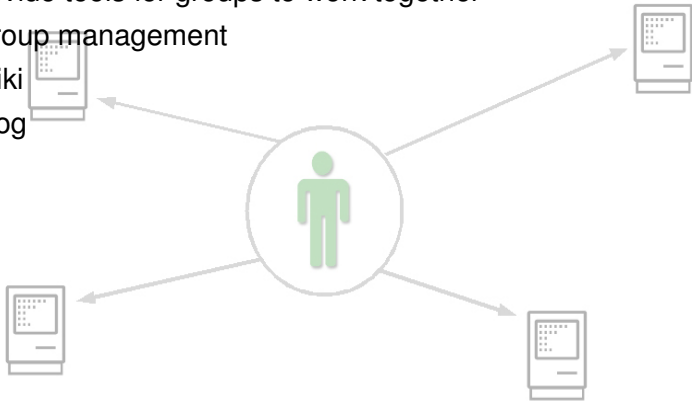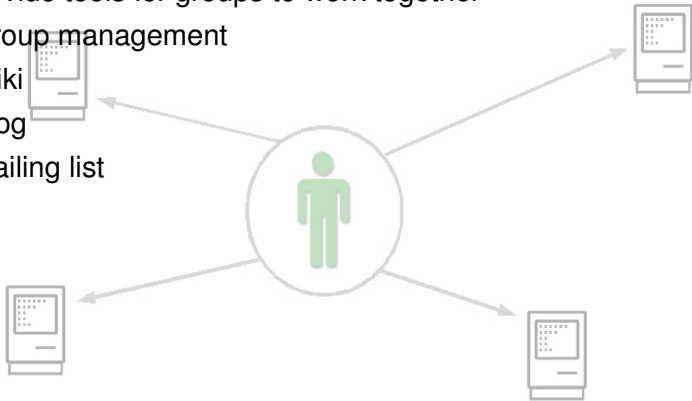# Central ICT clustered apps
Tools for colaborating

We provide tools for groups to work together

- Group management
- Wiki
- Blog
- Mailing list
- Web Forum
- Chat
- Web file sharing

Central ICT clustered apps
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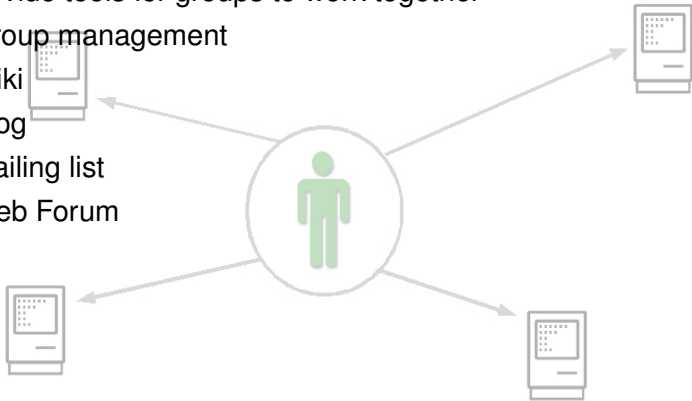- Web file sharing
- Federated ssh

Central ICT clustered apps
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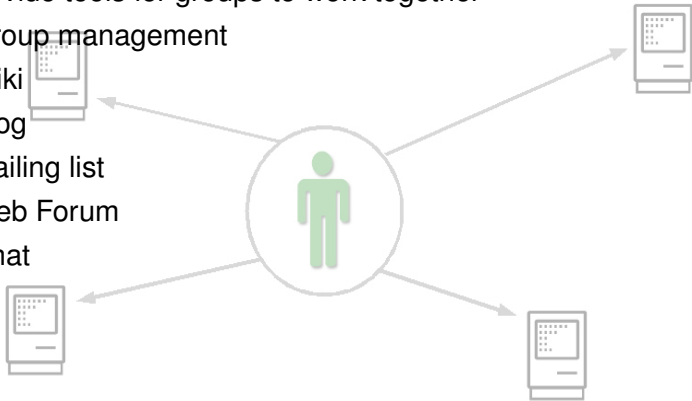- Wiki
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- . . .

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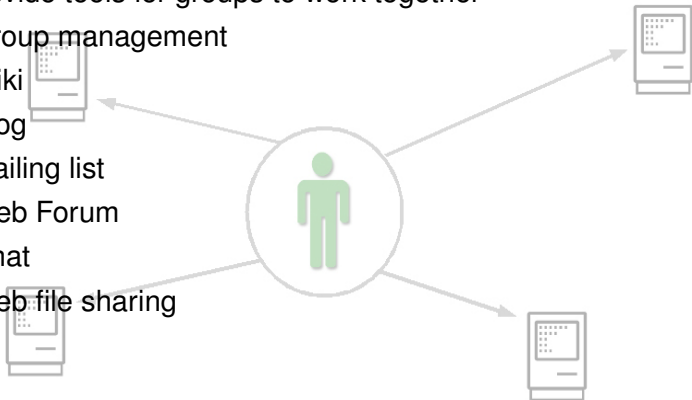- Group management
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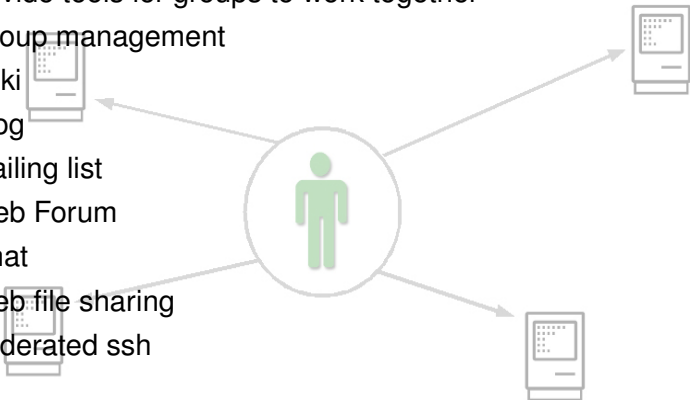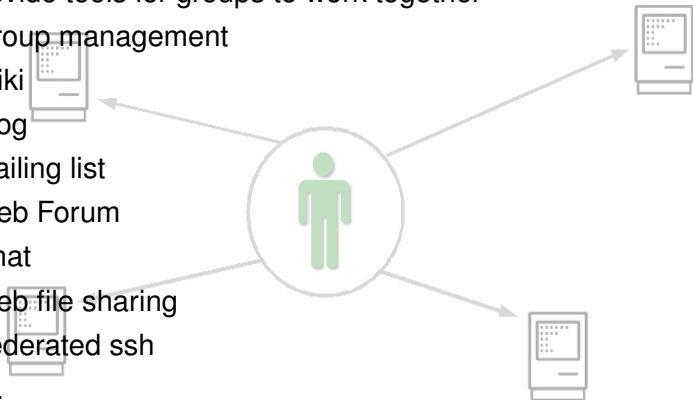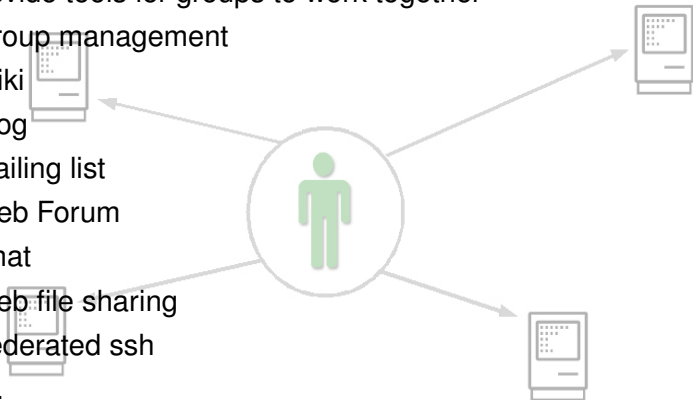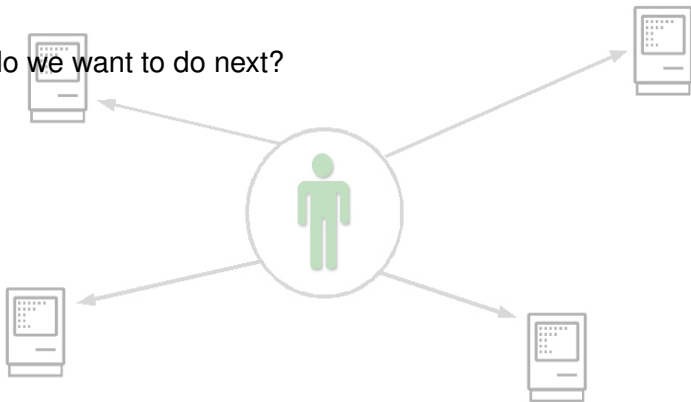- Federated ssh
- . . .

all of them sharing the federated user identity

Evolving
development never stops

What do we want to do next?

Evolving
development never stops

What do we want to do next?

- Increase the number of applications in cluster

Evolving
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- Increase the number of applications in cluster
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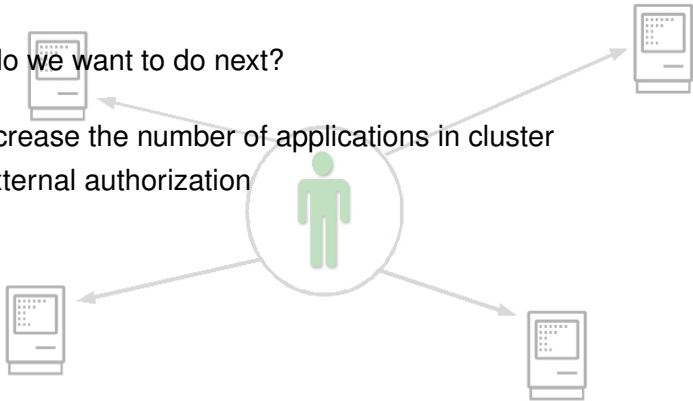
Evolving
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What do we want to do next?

- Increase the number of applications in cluster
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- Better group management
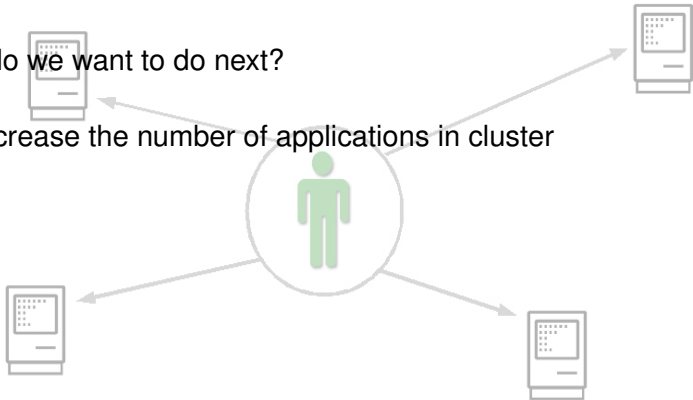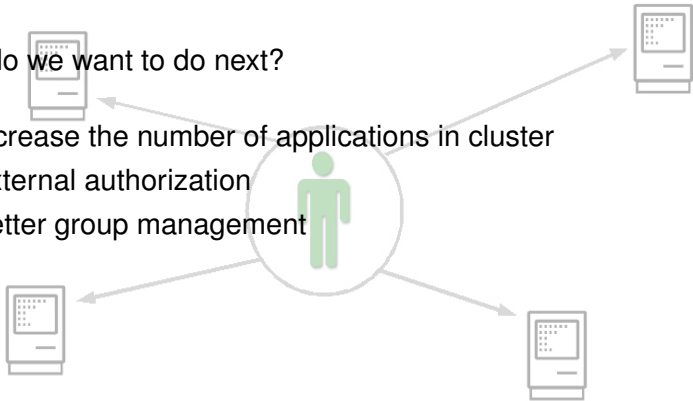
Evolving
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What do we want to do next?

- Increase the number of applications in cluster
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- Collaboration management:
  Virtual Environments → Collaborative Organizations

Conclusions

New generation applications
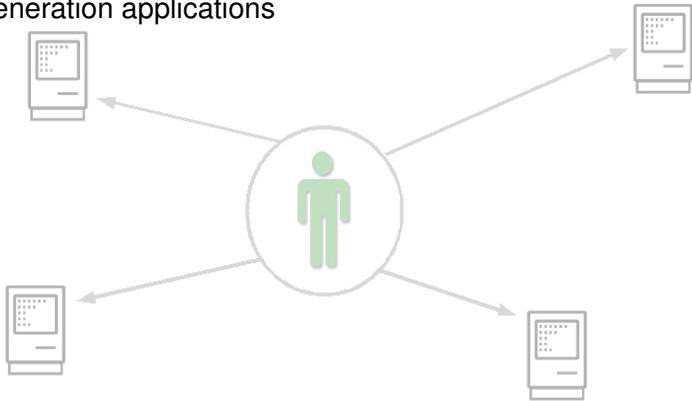
Conclusions
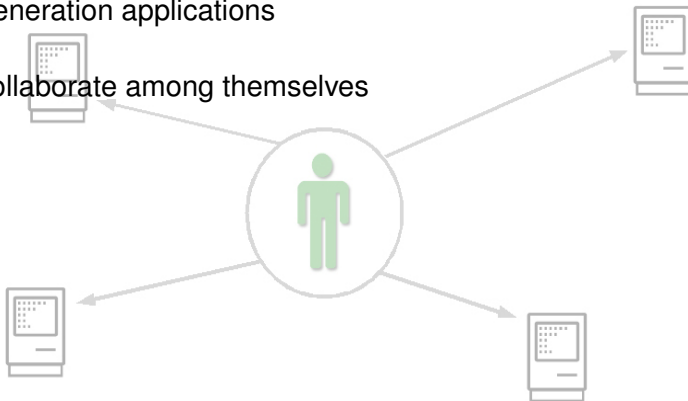
New generation applications

- Collaborate among themselves

Conclusions

New generation applications

- Collaborate among themselves
- Are centred around the user
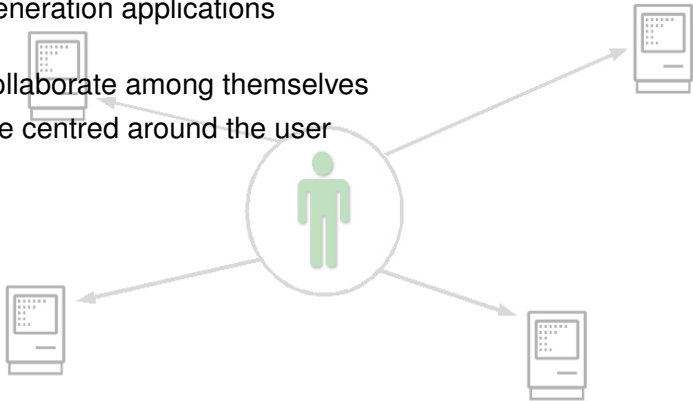
Conclusions

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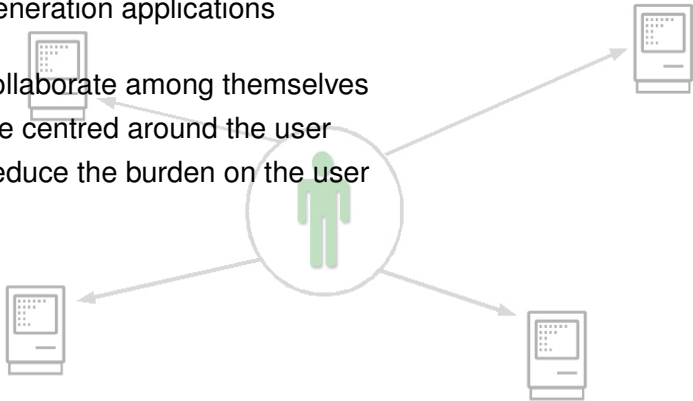
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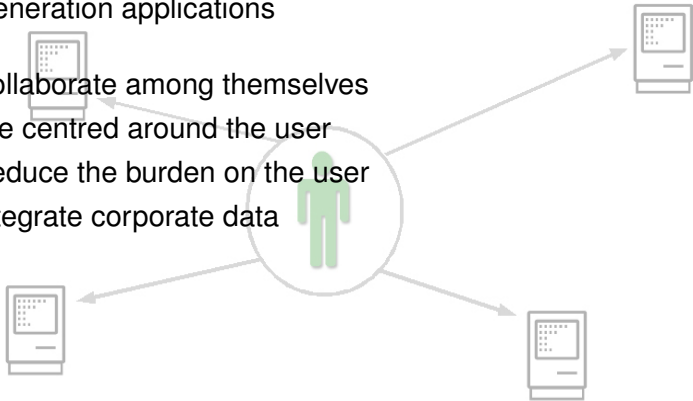
Conclusions

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Conclusions

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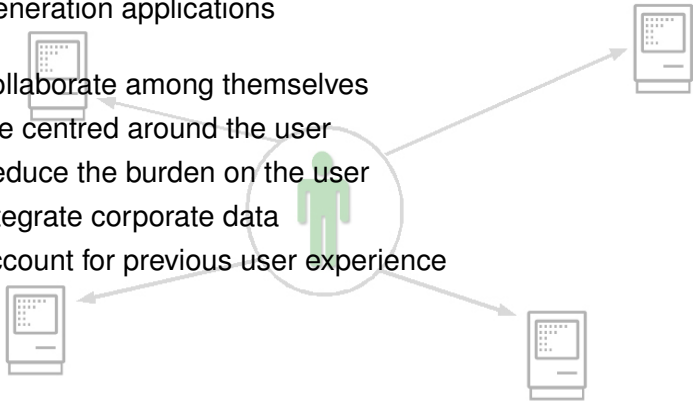- Best of breed applications for each service

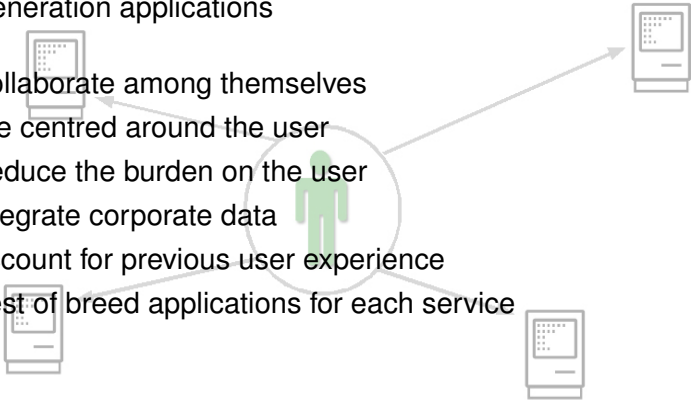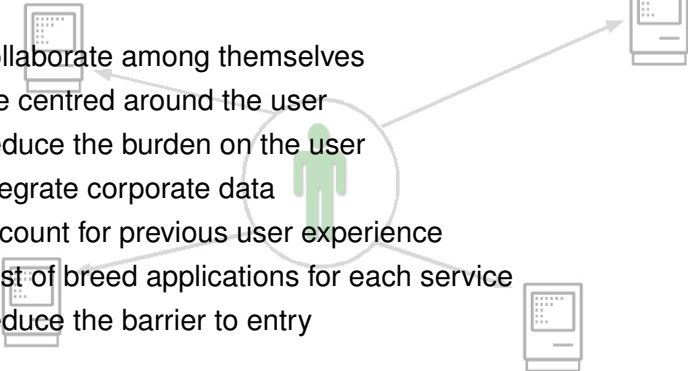## Conclusions

New generation applications

- Collaborate among themselves
- Are centred around the user
- Reduce the burden on the user
- Integrate corporate data
- Account for previous user experience
- Best of breed applications for each service
- Reduce the barrier to entry

Pointers

Application	:	http://agoravirtual.es/
Harmoni framework	:	http://harmoni.sourceforge.net/
O.K.I.	:	http://www.okiproject.org/
Technical knowledge	:	accino@uma.es
Domain knowledge	:	mcebrian@uma.es
"Marketing"	:	victoriano@uma.es

Thank you
Questions?

answers not assured