

Computing Resources Administration System

Bartłomiej Pawłowski
CERN IT-AIS-F

What is information system?

- ◆ Information system is a computer system that stores data and supplies information, usually within a business context.
- ◆ Is the arrangement of people, data, processes, presentation of data and information technology that support our everyday needs
- ◆ It consists of data bases, users, analysis/interpretation of information, organizational structures and processes

Why that system was built and what it will support?

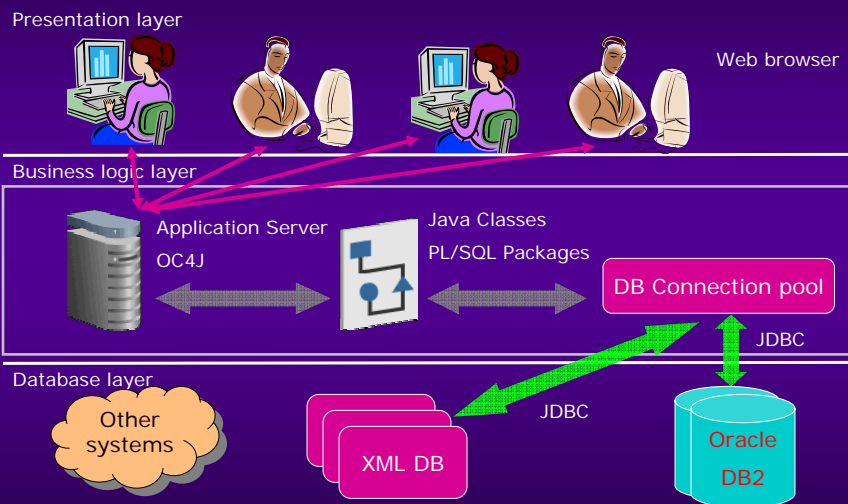
- ◆ Registration of who is responsible for which resources (computer accounts, web sites, VPN connections, network devices, email lists, software licences, etc)
- ◆ Resource name reservation
- ◆ Grouping of resources in administration groups (CERN unit or experiment)
- ◆ Automatic blocking of resources
 - ◆ Person no longer at CERN
 - ◆ Resource not used within given period of time
- ◆ Definition of dynamic group of people for access control lists, email lists, etc ...
- ◆ Account cascading
- ◆ Open, secure, synchronous communication mechanism to client services in order to propagate resource changes; asynchronous communication to services for consistency check
- ◆ Password setting and synchronization, password expiration
- ◆ Tighter integration with other CERN information systems (i.e. HR)
- ◆ Extend functionality
- ◆ More responsibility in client services

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How system architecture looks like?

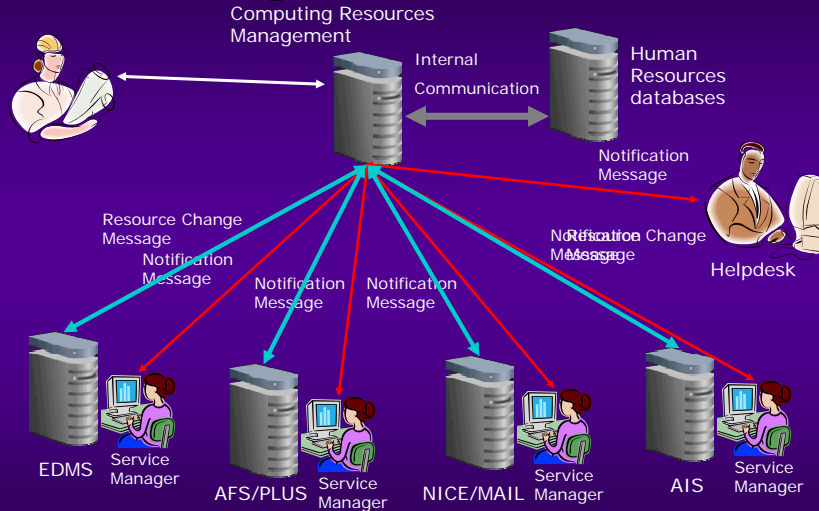


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Example scenario (workflow)



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Thank you for your attention

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