Kuali Rice

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UC Trust Workgroup – UC Irvine

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Agenda

- **Overview of Rice**

- **KIM Concepts**

- **KIM Use Cases**

Rice Mission

- "…to provide a *consistent development framework* and *common middleware layer* for Kuali Foundation based applications to leverage."
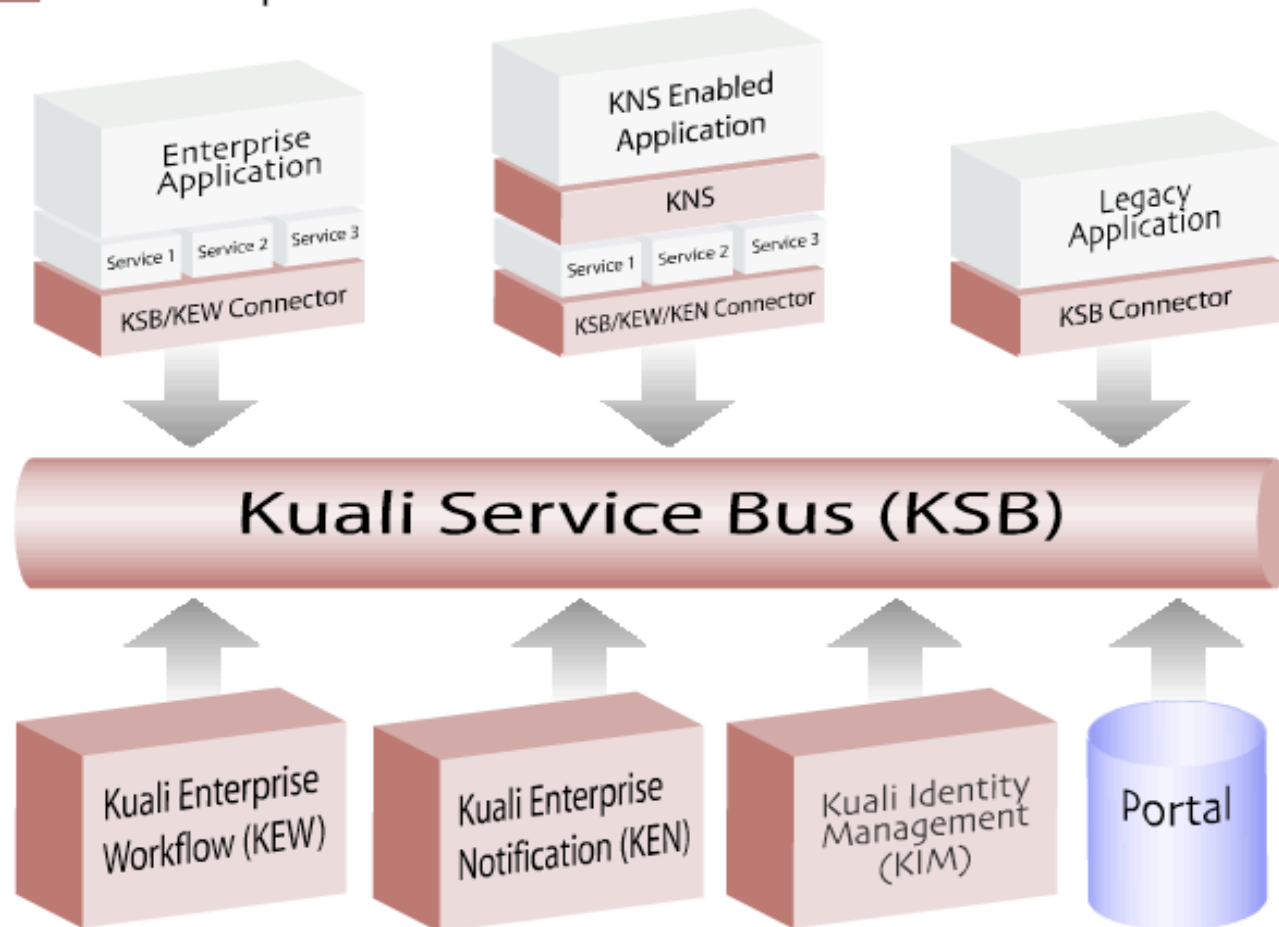
Rice Components

- **Rice components are the "glue" that tie the pieces of an enterprise application together**
- **KNS– Kuali Nervous System**
- **KEW – Kuali Enterprise Workflow**
- **KEN – Kuali Enterprise Notification**
- **KSB – Kuali Service Bus**
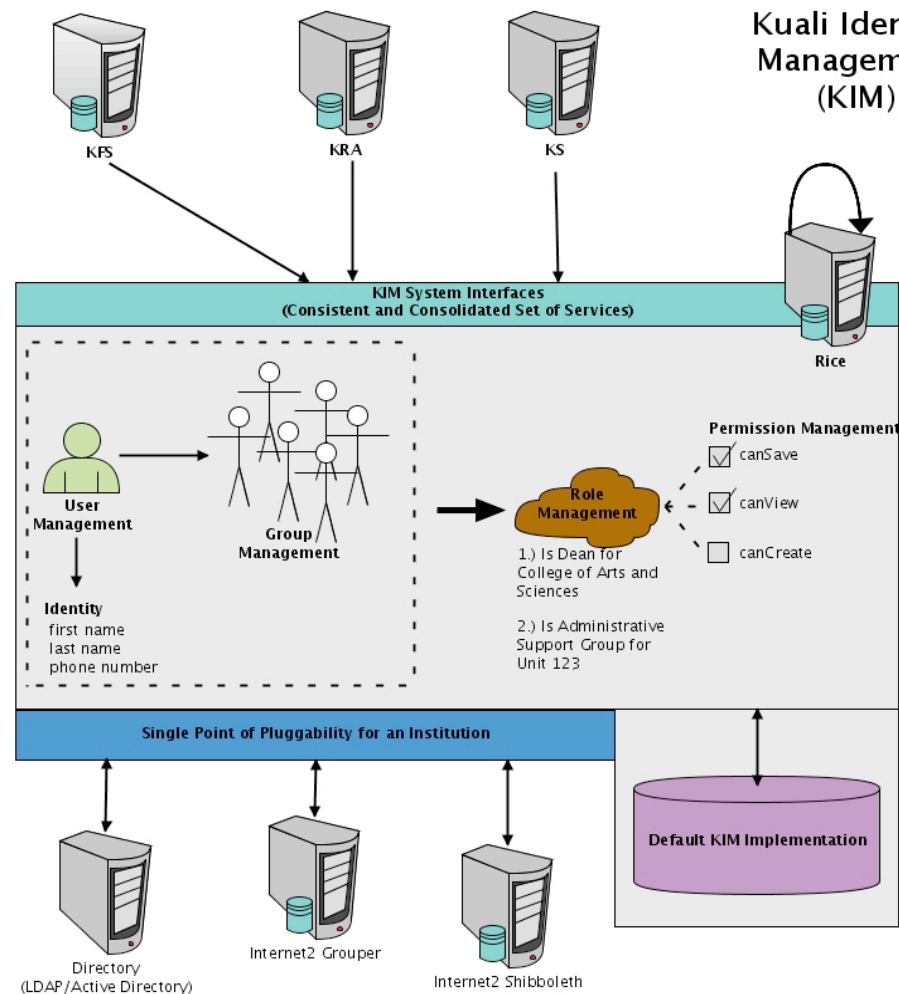- **KIM – Kuali Identity Management**
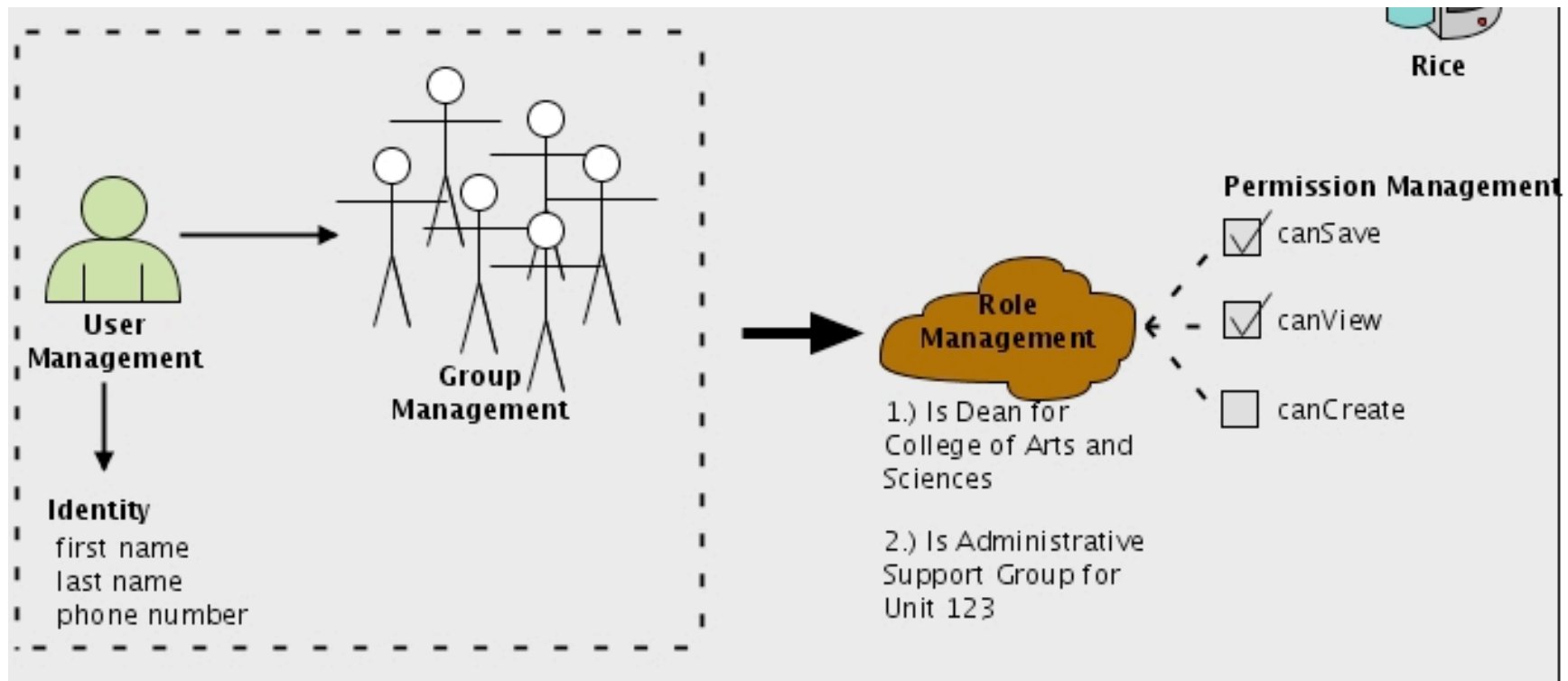
Rice Components

Kuali Identity Management (KIM)

- **Consistent service interfaces used by all Kuali apps**

- **Leverages KNS and KEW to provide a reference implementation out of the box**

- **Flexibility for dynamic attribute associations with IdM entities (persons, groups, roles, etc)**

- **Pluggable support for Internet2 products (Grouper, Signet?, etc) or other IdM tools**

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Kuali Identity Management (KIM)

Kuali Identity Management (KIM)

Rice

User Management

Group Management

Identity
first name
last name
phone number

Role Management

1.) Is Dean for College of Arts and Sciences

2.) Is Administrative Support Group for Unit 123

Permission Management

☑ canSave

☑ canView

☐ canCreate

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Core KIM Services

- **Identity (person information)**
- **Authentication (hooks to auth filter - shib)**
- **Group**
- **Authorization**
  - **Role Service**
    - **Membership in role is conditional**
  - **Permission Service**
    - **Permissions are assigned to a role**
  - **Responsibility (for workflow)**

Standalone Use Cases

- **Standalone KFS instance**
  - **User logs in via SSO**
    - **KIM authentication service verifies credentials via local SSO system**
  - **User accesses AP module**
    - **KIM Role service looks up permission**
    - **If principal has role (directly or via group), grant access**
  - **User submits invoice**
    - **KIM responsibility service verifies ability to submit to workflow engine**

Shared Use Cases

- **Multi-institution KFS instance**
  - **User logs in via UC Trust**
    - **KIM authentication service verifies credentials via Shib**
  - **User accesses AP module**
    - **KIM Role service looks up permission**
    - **Service makes service call to home institution's role service**
  - **User submits invoice**
    - **KIM responsibility service verifies ability to submit to workflow engine**
    - **Service makes service call to home institution's responsibility service**

Resources

- **http://rice.kuali.org**

- **Rice Wiki**
  - **https://test.kuali.org/confluence/x/Fml**

- **Curtis Bray**
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