

# Application Management

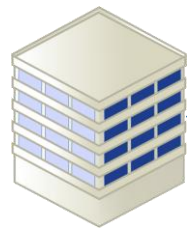
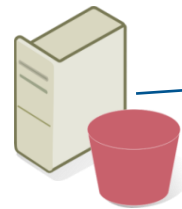
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Cordys BOP 4.1 Fundamentals

**CORDYS**

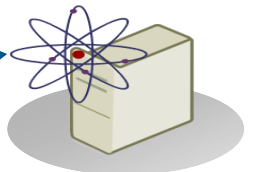
- ◆ User Management
- ◆ Organization Management
- ◆ Roles & Tasks
- ◆ Development Management
  - ◆ Development Management
  - ◆ Collaborative Workspace (CWS)

Service consumers

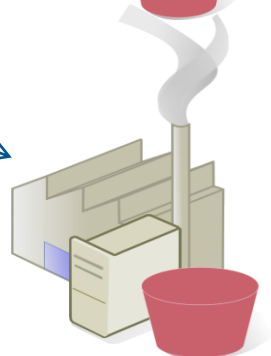


Web Services

Service providers



Business Logic



## Users at Runtime



Administrators

Monitoring and configuration



(End) Users

Running applications



Systems, Applications

Running applications

## Users at Design time



Developers

Developing solution components

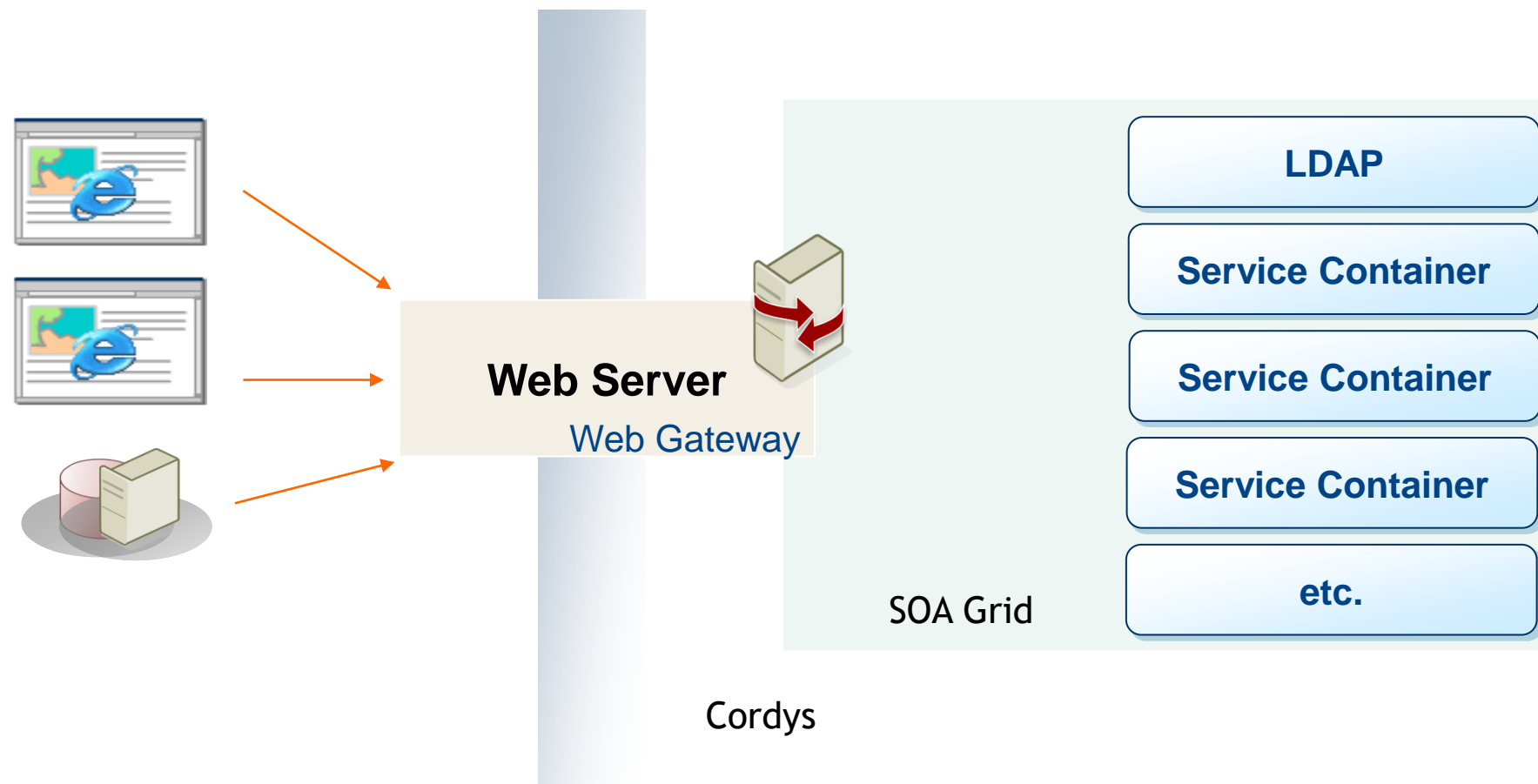
## ◆ Usage

- ◆ Sending requests to Cordys, invoking web services
- ◆ User Interfaces (Web Forms)
- ◆ Other, API's, message queues, etc

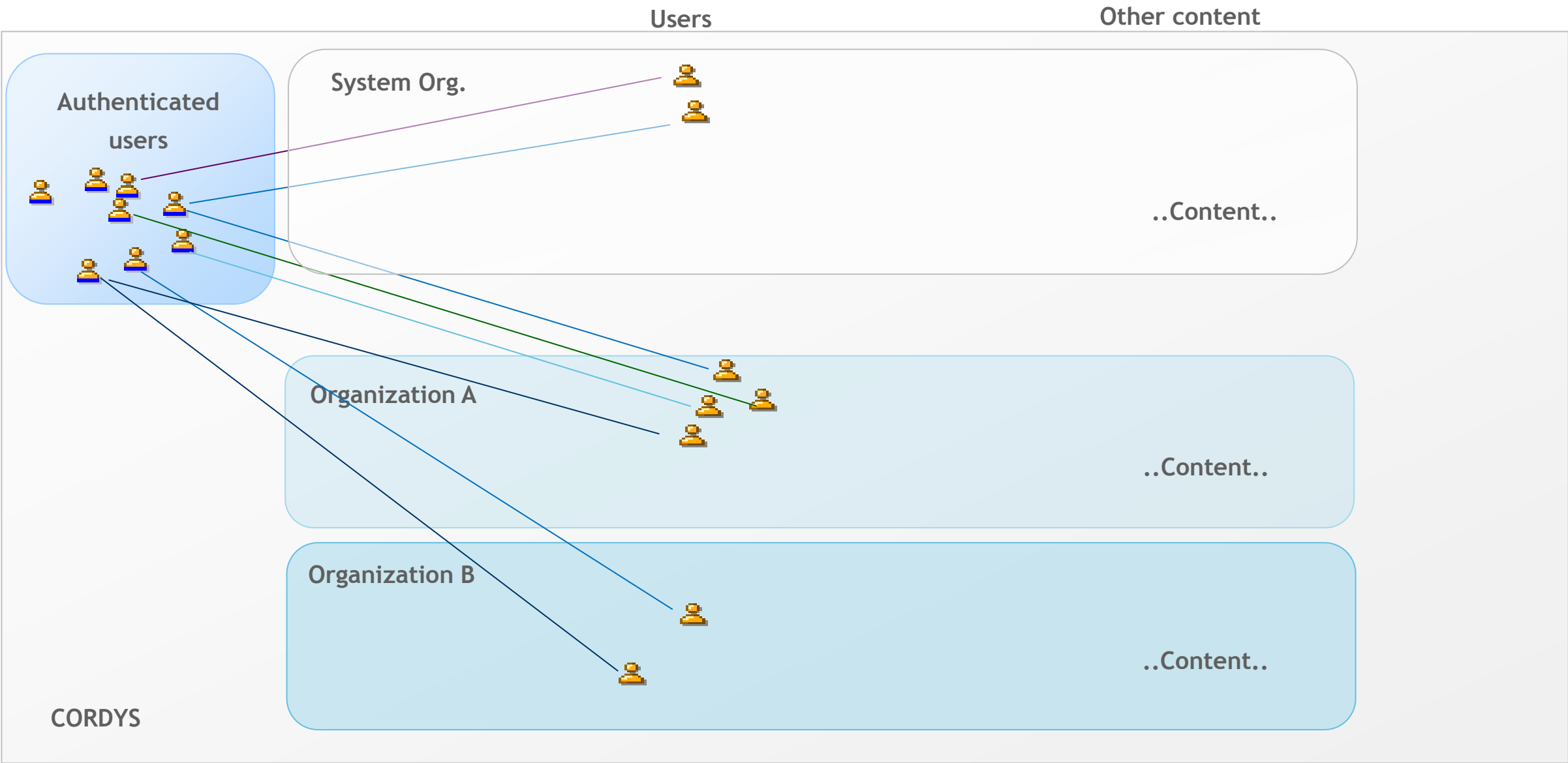
## ◆ Usage via

- ◆ Internet Browser: Cordys Explorer
- ◆ External application
  - ◆ via web server
  - ◆ via custom implementations

- ◆ **OS Users** Operating System validation (Windows Integrated / basic authentication)
- ◆ **Custom Users** Authentication User ID and Password (SAML assertion)
- ◆ **Certified Users** Authentication using digital certificates



# User Management in Cordys



Cordys content usage is regulated by means of [authenticated users](#) and (the roles of) [organizational users](#)

# User Manager

User Manager

Users - Roles

☐ Include internal roles

Search

Show All

Users

Roles

Paula Smith

(psmith@acme.com)

Student1

(student1) 3 Roles

trainer

(trainer)

User Details

Authentication Type

☒ External

☐ Cordys

☐ Certificate

User Name

Student1

User Full Name

Student1

User ID

Student1

Default Organization

Organization1

Contact Info

Customer Billing

Finance Customer Billing

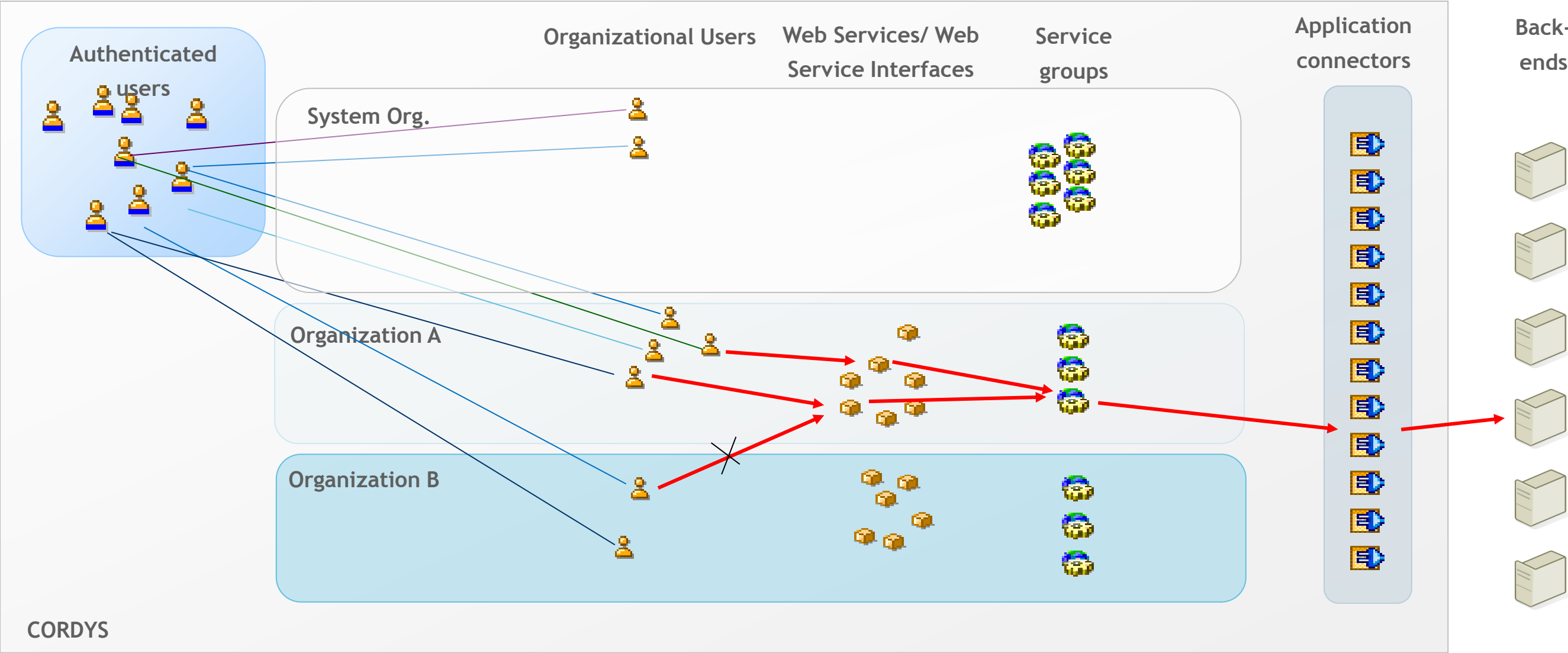
cn=Student1,cn=organizational users,o=Organization1,cn=cordys,cn=defaultInst,o=vanenburg.com



- ◆ User Management
- ◆ Organization Management
- ◆ Roles & Tasks
- ◆ Development Management
  - ◆ Development Management
  - ◆ Collaborative Workspace (CWS)

- ◆ System Organization is used by system administrator
  - ◆ Cordys Licensing
  - ◆ Organizations
  - ◆ Platform Service Groups
    - ◆ Cordys Monitor, LDAP, XML, ....
  - ◆ Shared Application Service Groups
  - ◆ Loading & Unloading Cordys Applications (ISVPs)
- ◆ Other Organizations
  - ◆ Application specific content
- ◆ Do not develop within the system organization!!

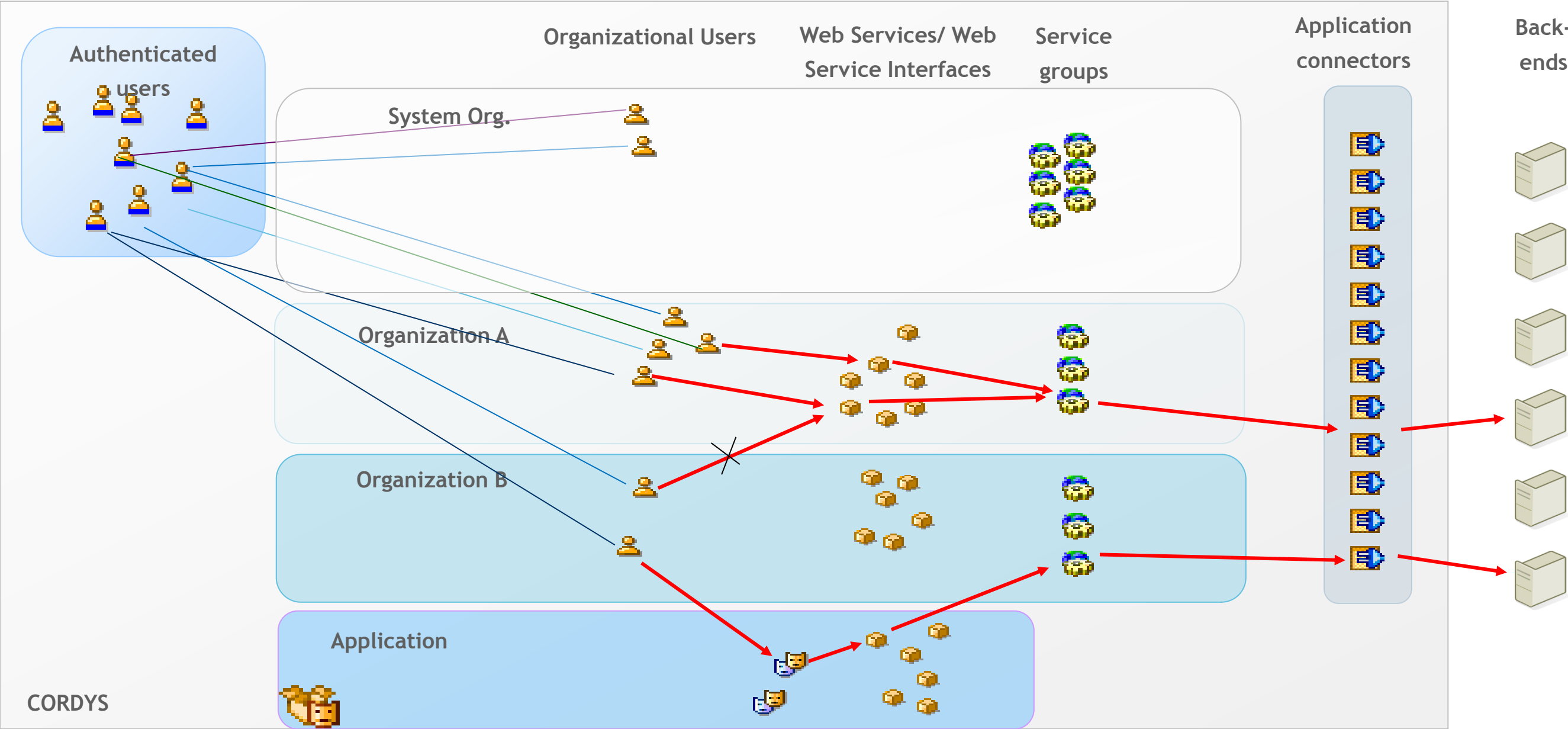
# Organizations: Content Grouping



- ◆ The Cordys Browser interface
  - ◆ The roles and tasks assigned to the current user
  - ◆ The user has to log in once
- ◆ Stand alone Web Service call:
  - ◆ The URL contains the name of the organization (if not: default organization).
  - ◆ Authentication is required each time the method is invoked.

- ◆ Application Package: bundled (Cordys) content
  - ◆ Business Process Models
  - ◆ Web Service Interfaces
  - ◆ Roles
  - ◆ Files (html, jar, xml, xsd .....)
  - ◆ Documentation
  - ◆ Connectors
  - ◆ User Interfaces
  - ◆ .....
  - ◆ .....

# Organizations and Application Packages



- ◆ User Management
- ◆ Organization Management
- ◆ Roles & Tasks
- ◆ Development Management
  - ◆ Development Management
  - ◆ Collaborative Workspace (CWS)



## Roles

- ◆ Organizational (custom)
- ◆ Application (content accessible via application role)



## Tasks (artifacts)



## Access Control List



# Creating a Custom Role

CORDYS

The screenshot displays the 'User Manager' application window. A 'Create Role\*' dialog box is open, allowing the creation of a new role. The dialog has a title bar with a save icon and a close button. Inside, the 'Name' field is set to 'Service Engineer'. Below this, there is a list of roles and a 'Selected Roles' list. The 'Roles' list includes: Case Management Trainee, Developing Processes Trainee, Developing User Interfaces Trainee, Cordys Fundamentals Trainee, Northwind Service Usage, Developing Services Trainee, Employee Viewer, Expense Claim Administrator, HRM Employee, HRM Service Usage, Administrator, Analyst, Deployer, and Developer. The 'Selected Roles' list is currently empty. Between the two lists are two buttons: '>>' and '<<'. A checkbox labeled 'Include internal roles' is located above the 'Roles' list. The background shows the 'User Manager' interface with a sidebar containing a list of roles and a main area with a search bar and a table of roles.

User Manager

Roles - Roles

Include internal roles

Create Role\*

Name: Service Engineer

Include internal roles

Roles

- Case Management Trainee
- Developing Processes Trainee
- Developing User Interfaces Trainee
- Cordys Fundamentals Trainee
- Northwind Service Usage
- Developing Services Trainee
- Employee Viewer
- Expense Claim Administrator
- HRM Employee
- HRM Service Usage
- Administrator
- Analyst
- Deployer
- Developer

Selected Roles

>>

<<

Add, edit or remove Roles. Assign the roles to the roles

# Roles/Users and Tasks

User Manager

Users - Tasks

t

Search

Show All

+

+

+

Users

Paula Smith

(psmith@acme.com)

5 Tasks

Student1

(student1)

38 Tasks

trainer

(trainer)

Tasks

My Inbox

Notification Preferences

Personal External Access

About Cordys

BAM Administration

Case Instance Manager

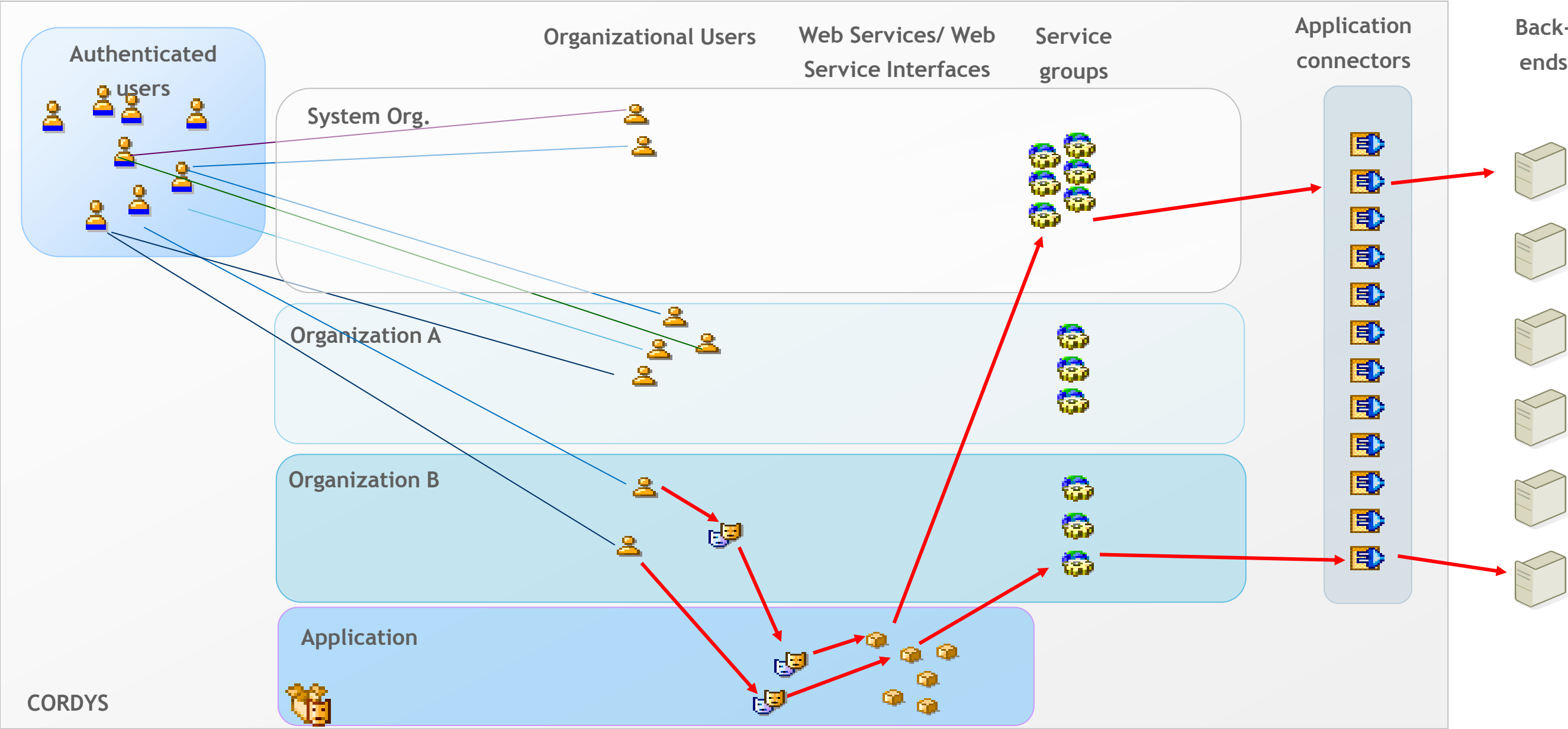
CoBOC Browser

CoBOC Transaction Monitor

Component Audit Log

Database Metadata Manager

cn=Student1,cn=organizational users,o=Organization1,cn=cordys,cn=defaultInst,o=vanenburg.com



- ◆ Access Control can be set on:
  - ◆ Service groups
  - ◆ Web Service Interfaces and operations
  - ◆ Metadata level
  - ◆ XML Store Objects
  - ◆ LDAP Objects
  - ◆ Users
  - ◆ Roles
- ◆ ACL Permissions for Web Services
  - ◆ Default : Closed

- ◆ User Management
- ◆ Organization Management
- ◆ Roles & Tasks
- ◆ Development Management
  - ◆ Development Management
  - ◆ Collaborative Workspace (CWS)

- ◆ Software Configuration Management (SCM)

- ◆ Version Control

- ◆ Branching

- ◆ Team Collaboration

- ◆ Concurrent Development

- ◆ Code Synchronization

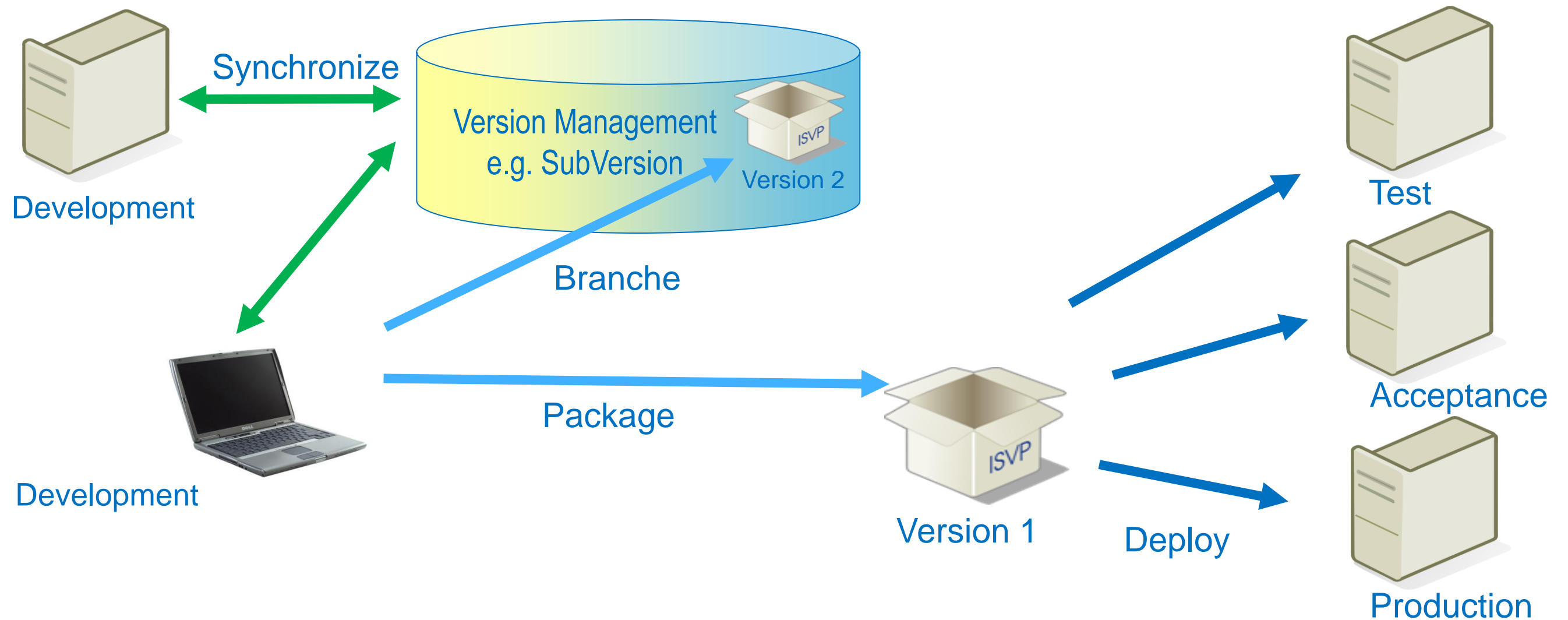
- ◆ Release Management

- ◆ Versioned Releases

- ◆ (Automated) Testing

# Development Process Environment

CORDYS



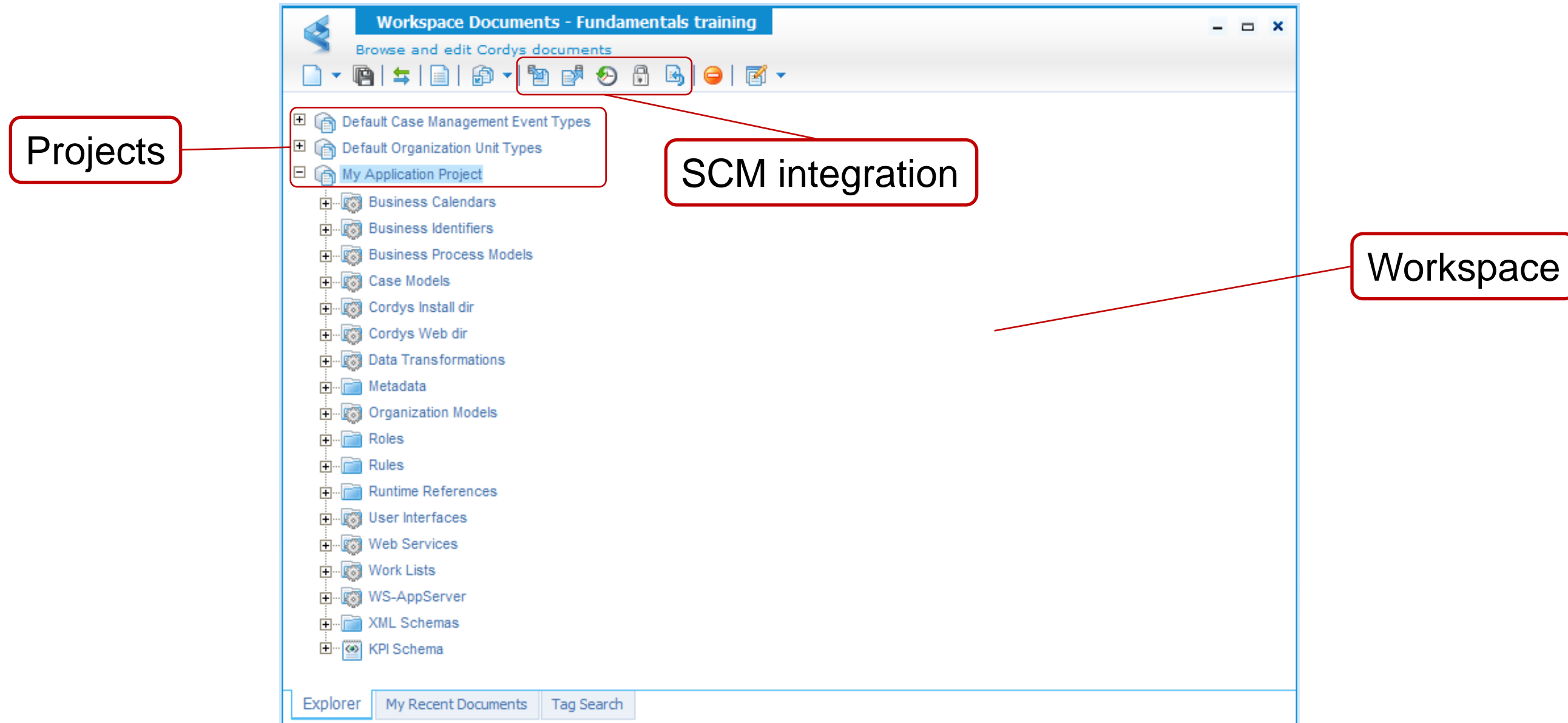
Development Content is exchanged via  
Version Management

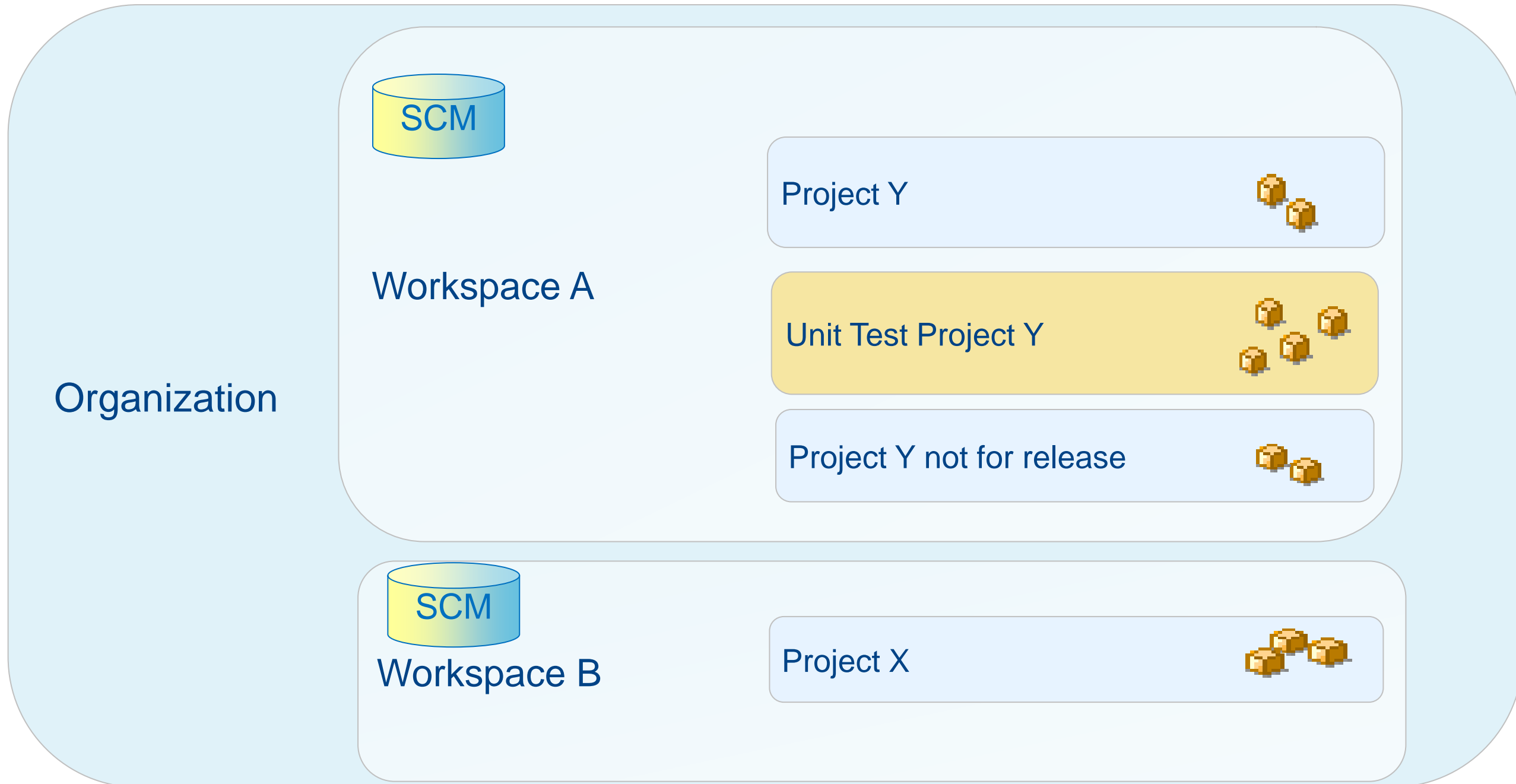
Run-Time Content is exchanged via  
Application Packages (ISVPs)

- ◆ User Management
- ◆ Organization Management
- ◆ Roles & Tasks
- ◆ Development Management
  - ◆ Development Management
  - ◆ Collaborative Workspace (CWS)



## ◆ Development Environment for building Cordys Applications

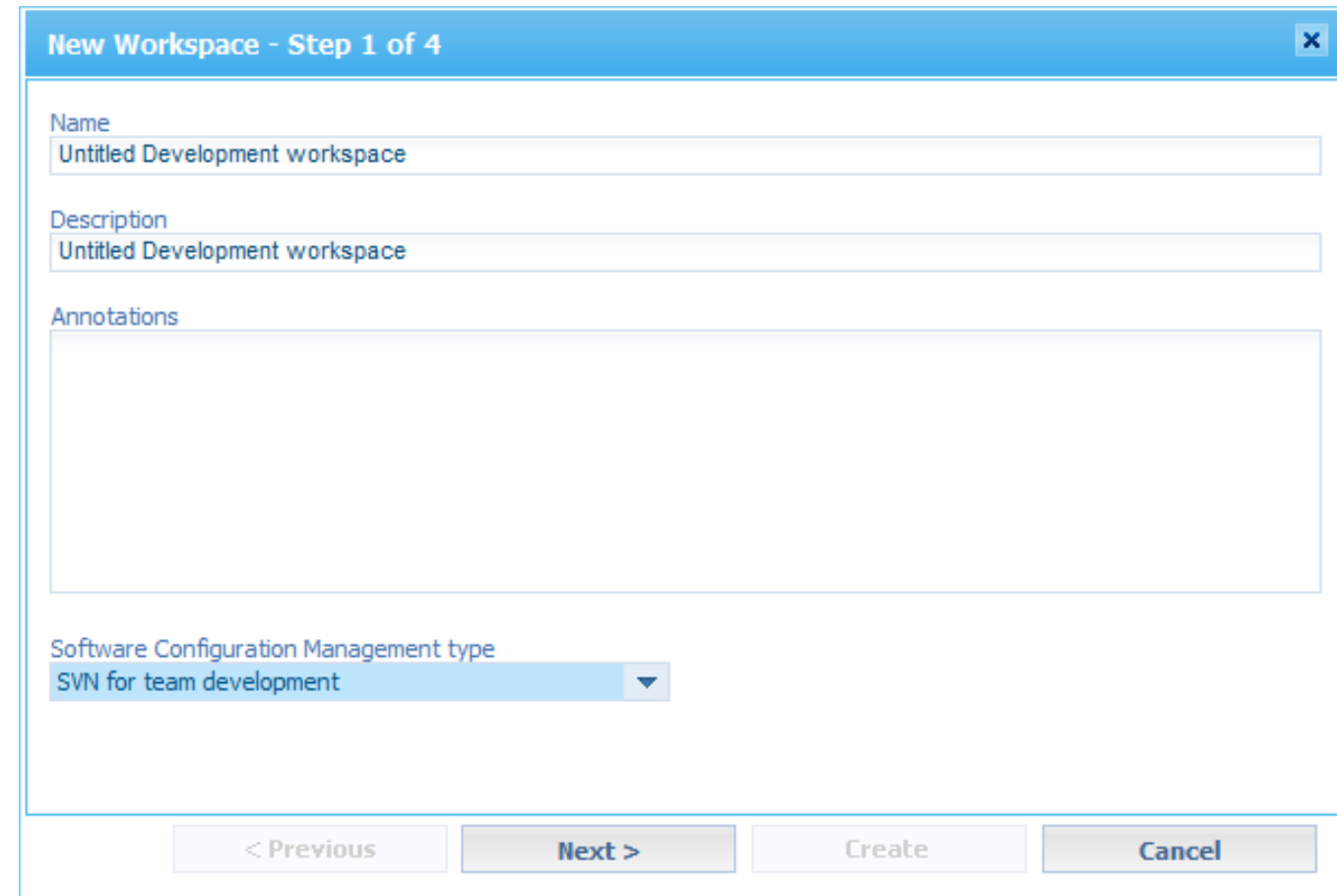
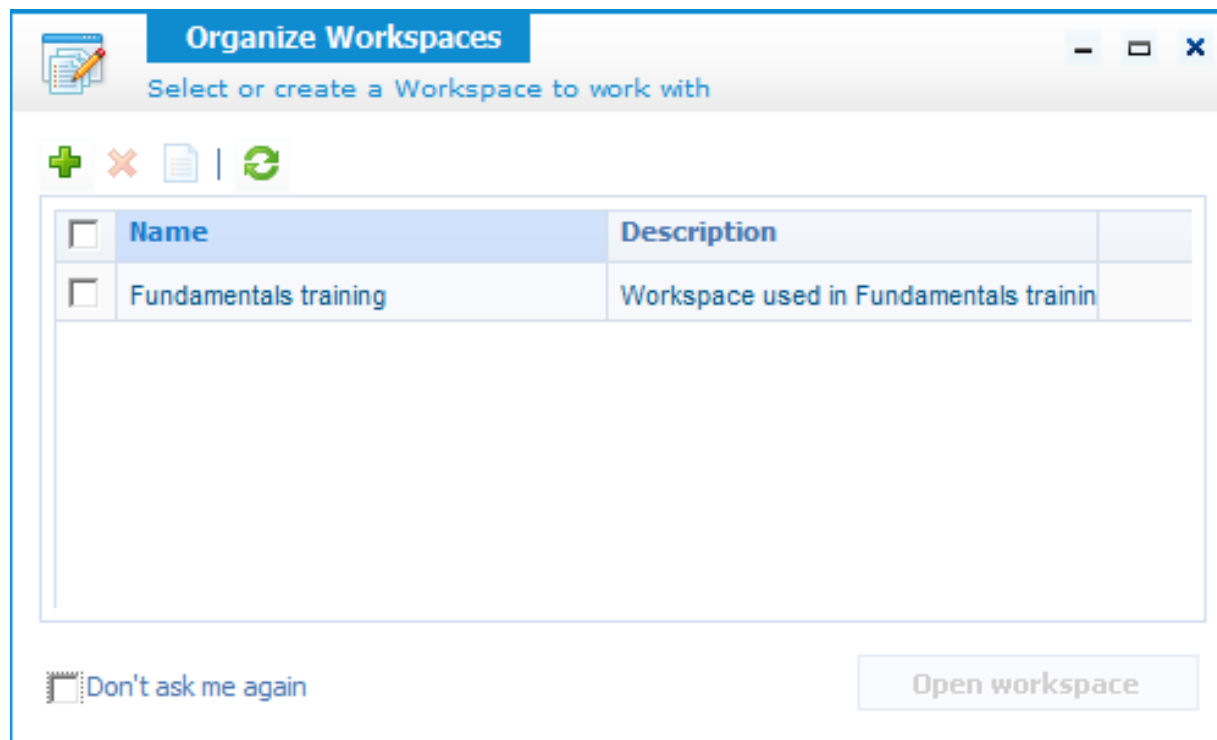




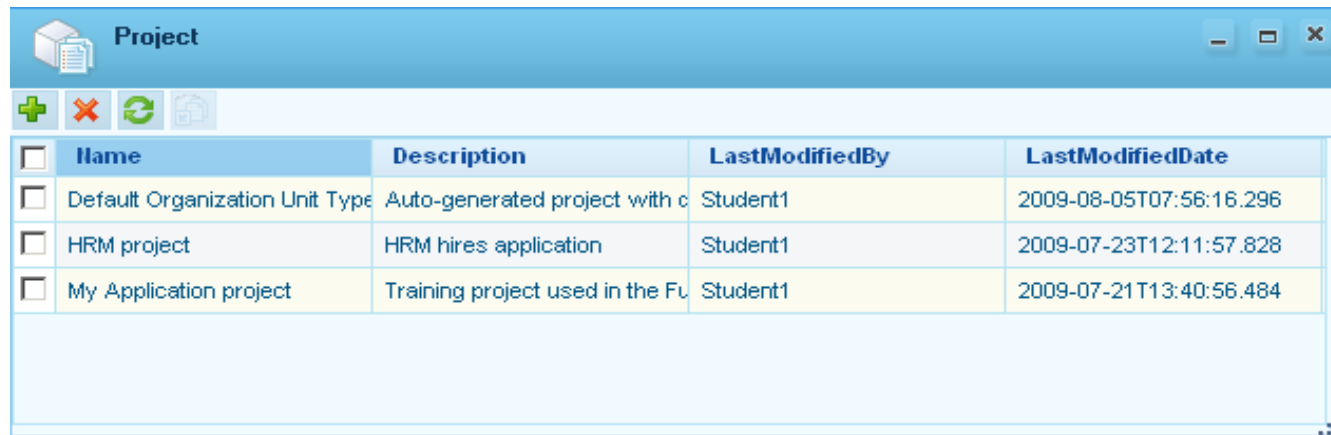
# Workspace

CORDYS

- ◆ A Workspace is an isolated development environment
- ◆ Can be associated to a Source Control Management system
- ◆ Contains project(s)

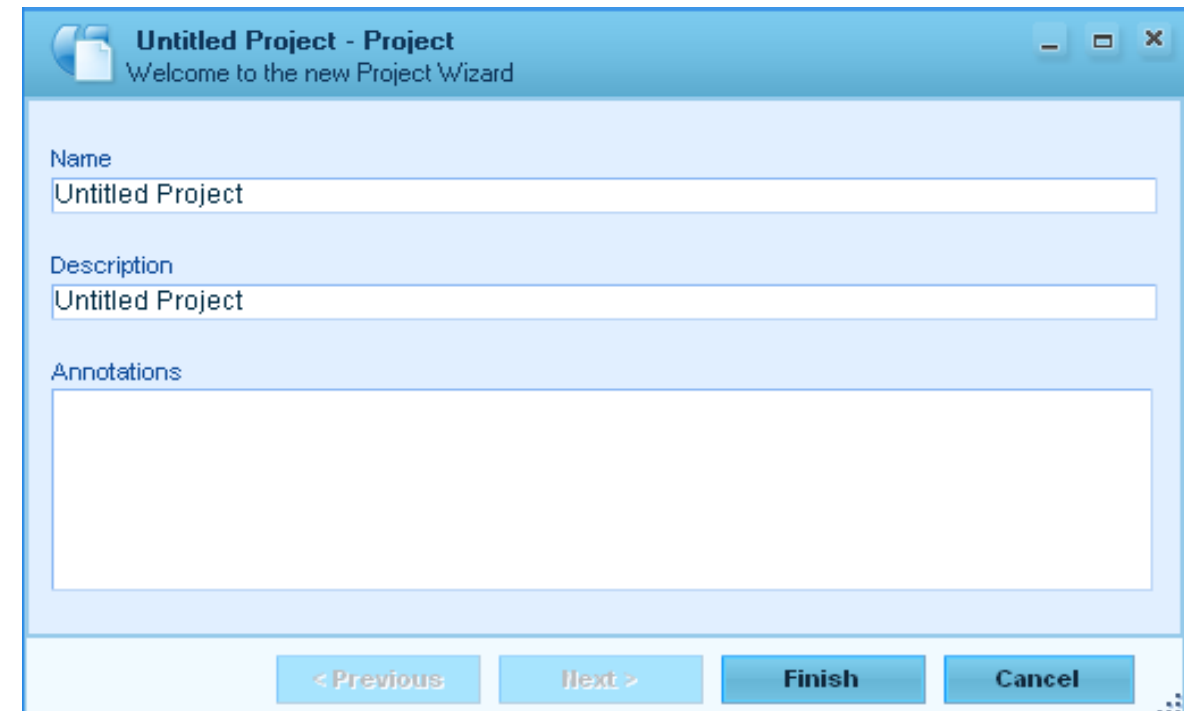


- ◆ A Project is a container for all documents that together form an Application
- ◆ Single view of the content which can be validated, published, and packaged
- ◆ A Project can be shared by multiple solutions within the same workspace



The screenshot shows a window titled 'Project' with a toolbar containing icons for adding, deleting, refreshing, and undo. Below the toolbar is a table with four columns: Name, Description, LastModifiedBy, and LastModifiedDate. The table contains three rows of project data.

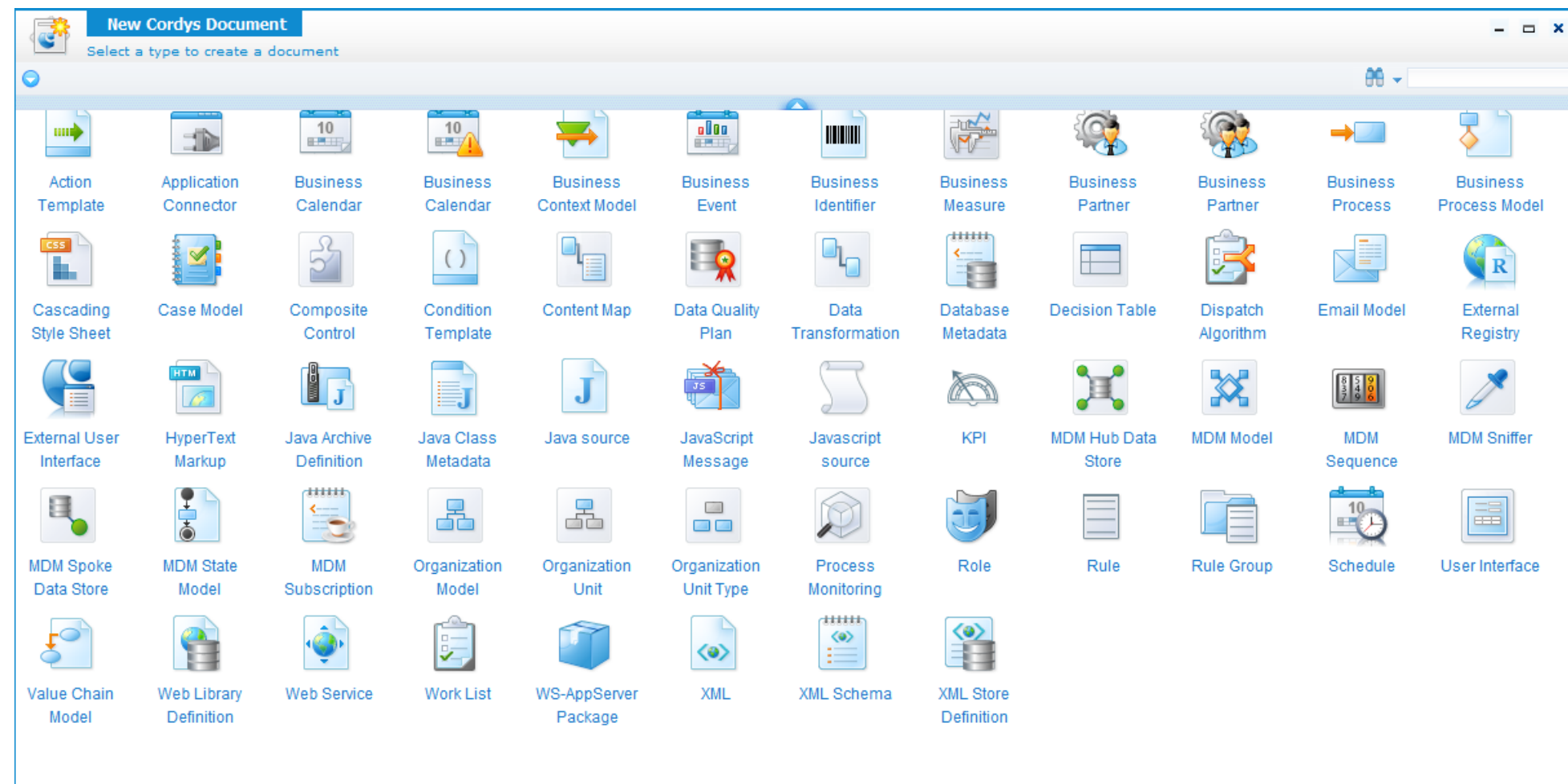
<input type="checkbox"/>	Name	Description	LastModifiedBy	LastModifiedDate
<input type="checkbox"/>	Default Organization Unit Type	Auto-generated project with c	Student1	2009-08-05T07:56:16.296
<input type="checkbox"/>	HRM project	HRM hires application	Student1	2009-07-23T12:11:57.828
<input type="checkbox"/>	My Application project	Training project used in the Fu	Student1	2009-07-21T13:40:56.484



The screenshot shows a window titled 'Untitled Project - Project' with the subtitle 'Welcome to the new Project Wizard'. It contains three input fields: 'Name' (containing 'Untitled Project'), 'Description' (containing 'Untitled Project'), and 'Annotations' (an empty text area). At the bottom, there are four buttons: '< Previous', 'Next >', 'Finish', and 'Cancel'.

# Content Types

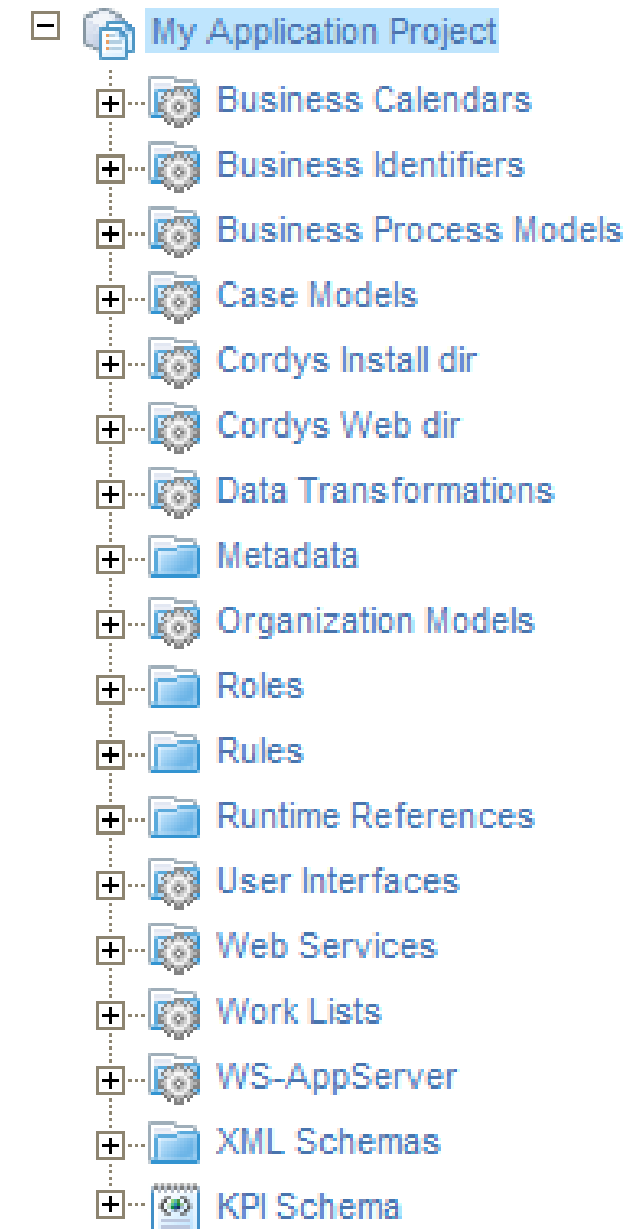
- ◆ Cordys Documents
- ◆ Runtime References – Existing (Cordys) Application content
- ◆ External Content – e.g. files: css, js, images



# Project Design Time Folder Structure

- ◆ Organizing/Grouping documents in your project:

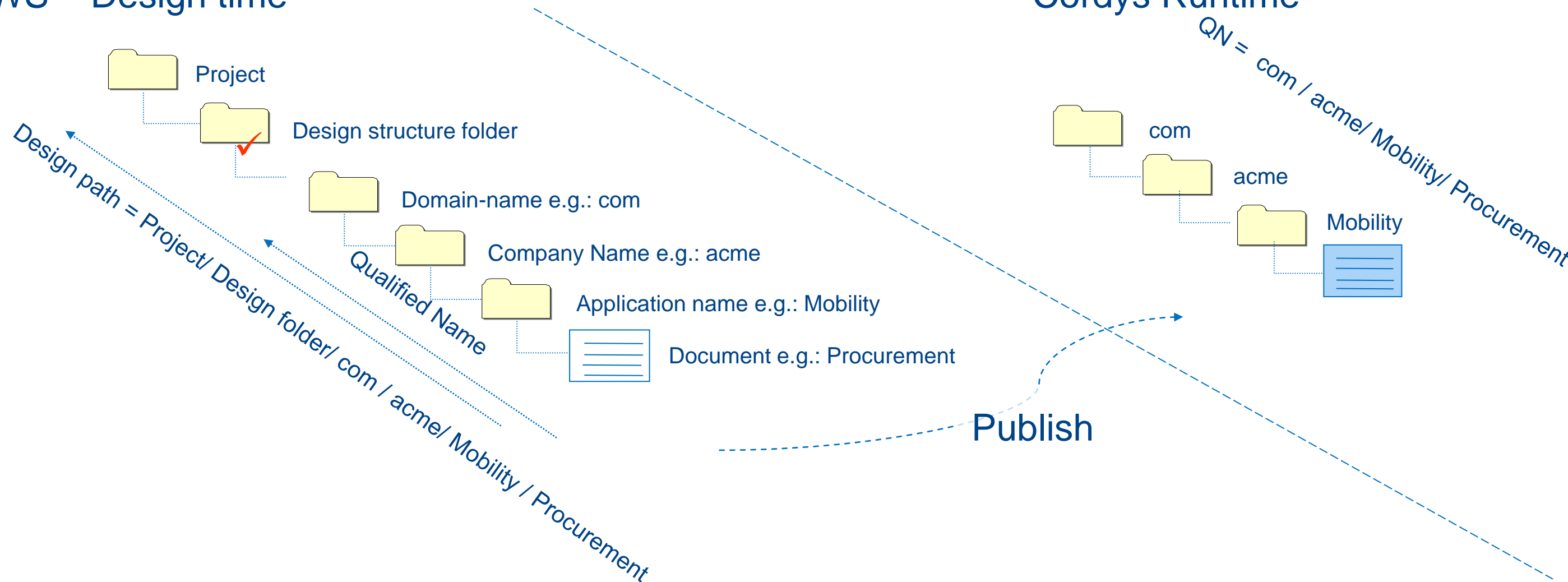
- ◆ Document type (preferred)
- ◆ Other types of grouping can be:
  - ◆ Related content
  - ◆ Custom



- ◆ Purpose = Avoiding Name Collisions
- ◆ How to achieve this, depends on document type:
  - ◆ Folder path and document name
  - ◆ Application name and document name
- ◆ Start Point of Qualified Name separates Design versus Deployment folder structure

## CWS – Design time

## Cordys Runtime



✓ = Start Point of Qualified Name



# Thank You

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Questions?

# Development Management - Optional

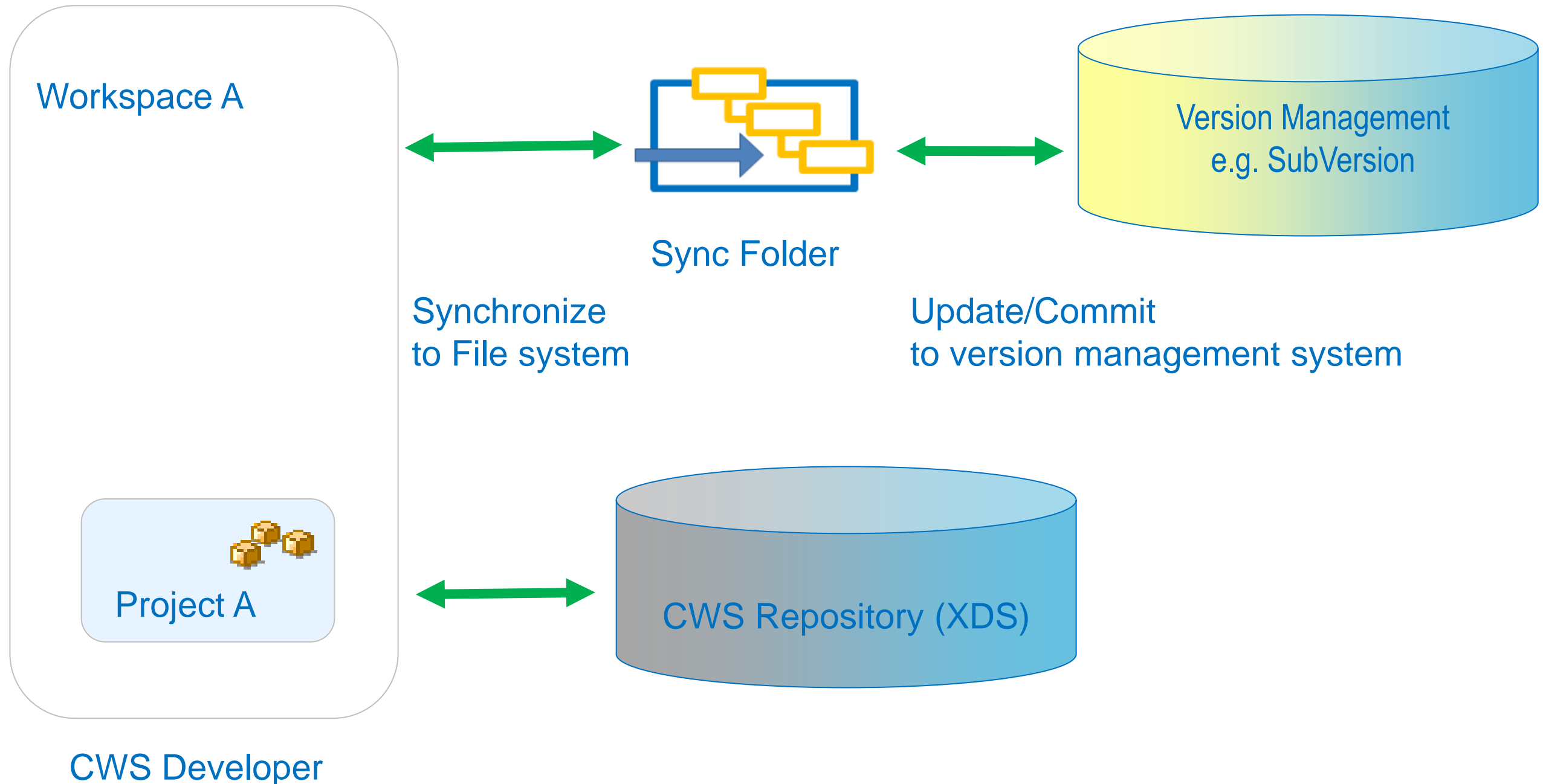
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Fundamentals BOP-4

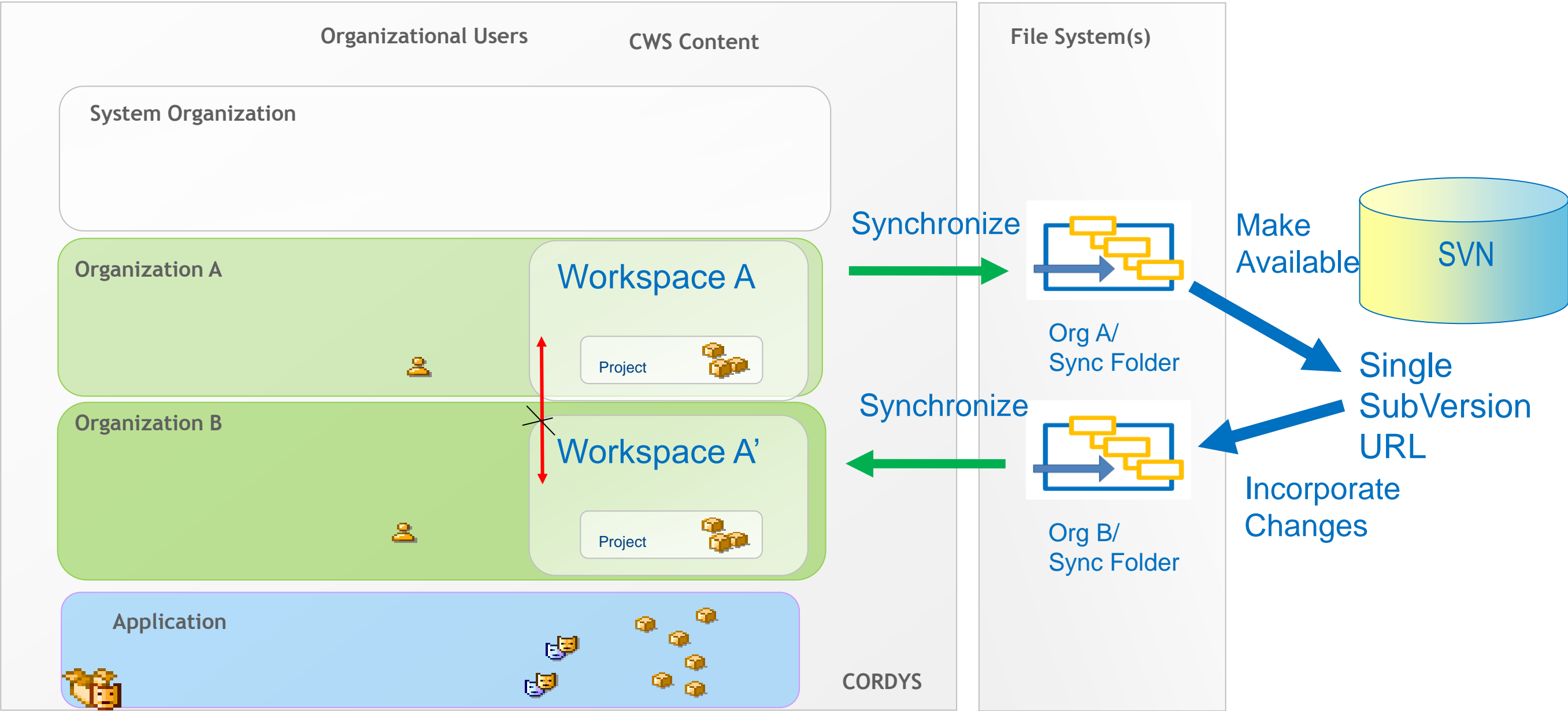
**CORDYS**

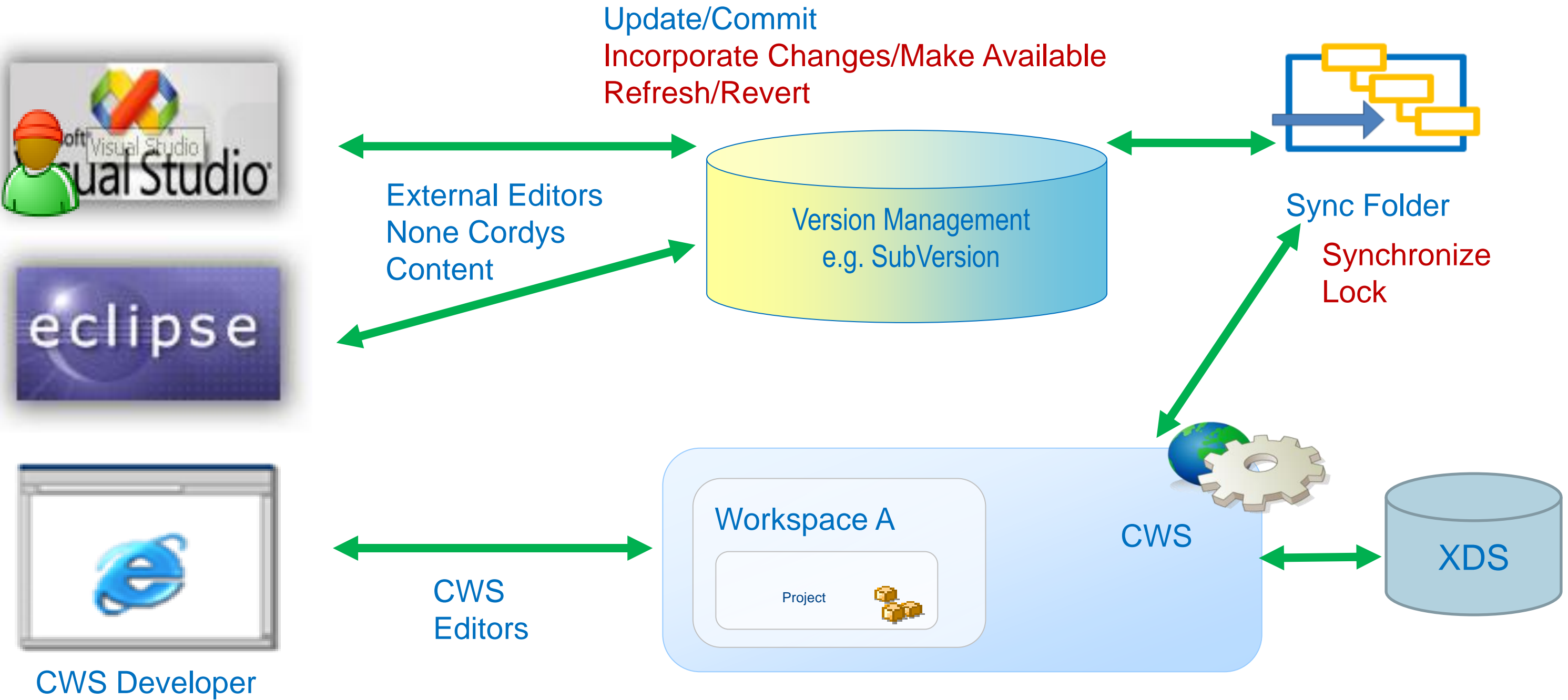
# Workspace Synchronization with Version Management

**CORDYS**



# Isolated Development Environment





## ◆ Content Development

- ◆ CWS Editors or external editors are used for development
- ◆ References to packaged content are added

## ◆ Validate

- ◆ Related content is validated automatically

## ◆ Publish to Organization

- ◆ Runtime content is created (for testing)
- ◆ Related content is published as well

## ◆ Functional Test

## ◆ Build Solution

- ◆ Projects are Packaged into ISVPs