Introduction to Centera & Documentum Integration



Gene Lopez, Global Alliance Manager
Keith Summers, Corporate Systems Engineer

June 2006

INTERNAL EMC USE ONLY

Profile

- Centera partnership established in 2003
  - Prior to acquisition of Documentum by EMC
- 150+ joint customers, including:
  - British Telecom, Cisco Systems, Citigroup, Delta Airlines, Deutsche Bank, Intel, Merck, Nokia, PepsiCo, Verizon, Wal-Mart
- Key solutions integrated to Centera:
  - Documentum Archive Services for Email
  - Documentum Archive Services for Imaging
  - Documentum Archive Services for Reports
  - Documentum Archive Services for SAP
  - Documentum Records Manager
- Joint activities include:
  - Joint product integration, testing, and certification
  - Cooperative field engagement
  - Integrated customer support

Customer Value Proposition

- **Active archiving**
  - Improve production system performance by moving fixed content off of primary storage
  - Online access to fixed content
- **End-to-end object retention**
  - Records Management and regulatory compliance
  - Lower liability exposure in regulated industries
  - DoD 5015.2 certified
- **End-to-end object security**
  - No casual file system access to Documentum objects
- **Improved storage efficiency**
  - Identical objects are stored only once
  - Self managing, self-healing, self configuring
- **Guaranteed integrity**
  - Absolute assurance of content authenticity

EMC²
where information lives®



Documentum and Centera Integration Summary

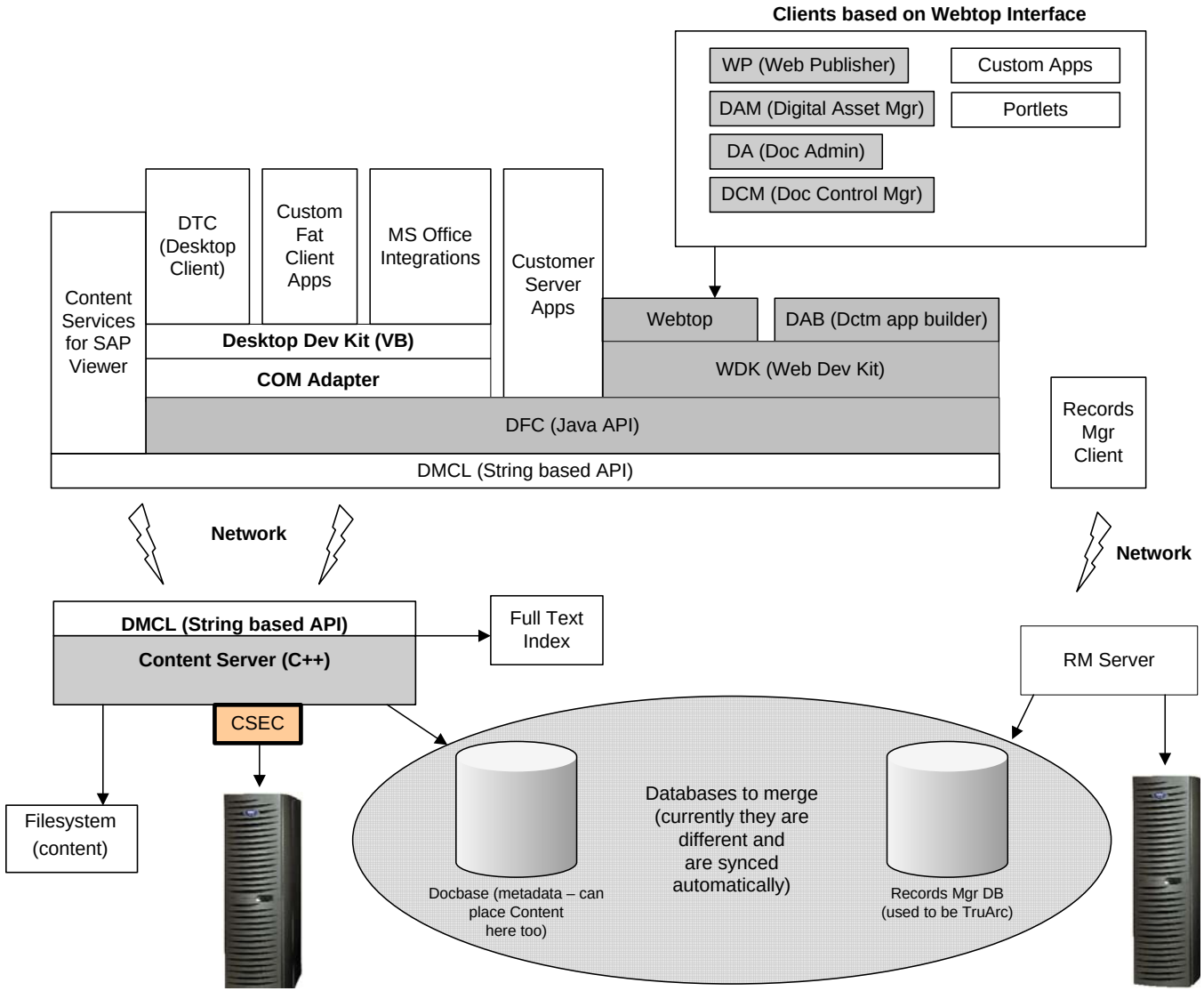
Centera with Documentum Content Server

- Content Services for EMC Centera (CSEC)
  - Plug-in library that implements Centera integration
  - Configured via Documentum Administrator (DA)
  - Requires separate license activation
  - Centera SDK is distributed with Content Server installation
- Centera is modeled as a ‘content store’ object
  - There are two types of content store objects:
    - File stores (dm_filestore)
    - Centera stores (dm_ca_store)
- Each dm_ca_store represents a Centera interface
  - Multiple dm_ca_stores are supported and can have different Centera properties
    - Connect strings, application profiles, etc

Centera with Documentum Content Server

- dm_ca_store has the following attributes and is a subtype of dm_store:
  - **a_content_attr_name** – attributes to be passed to Centera CDF
  - **a_storage_params** – Centera connect string
  - **a_retention_attr_name** – name of attribute that holds retention info
  - **a_retention_attr_required** – T/F – is default retention required
  - **a_default_retention_date** – Date value used to derive retention period

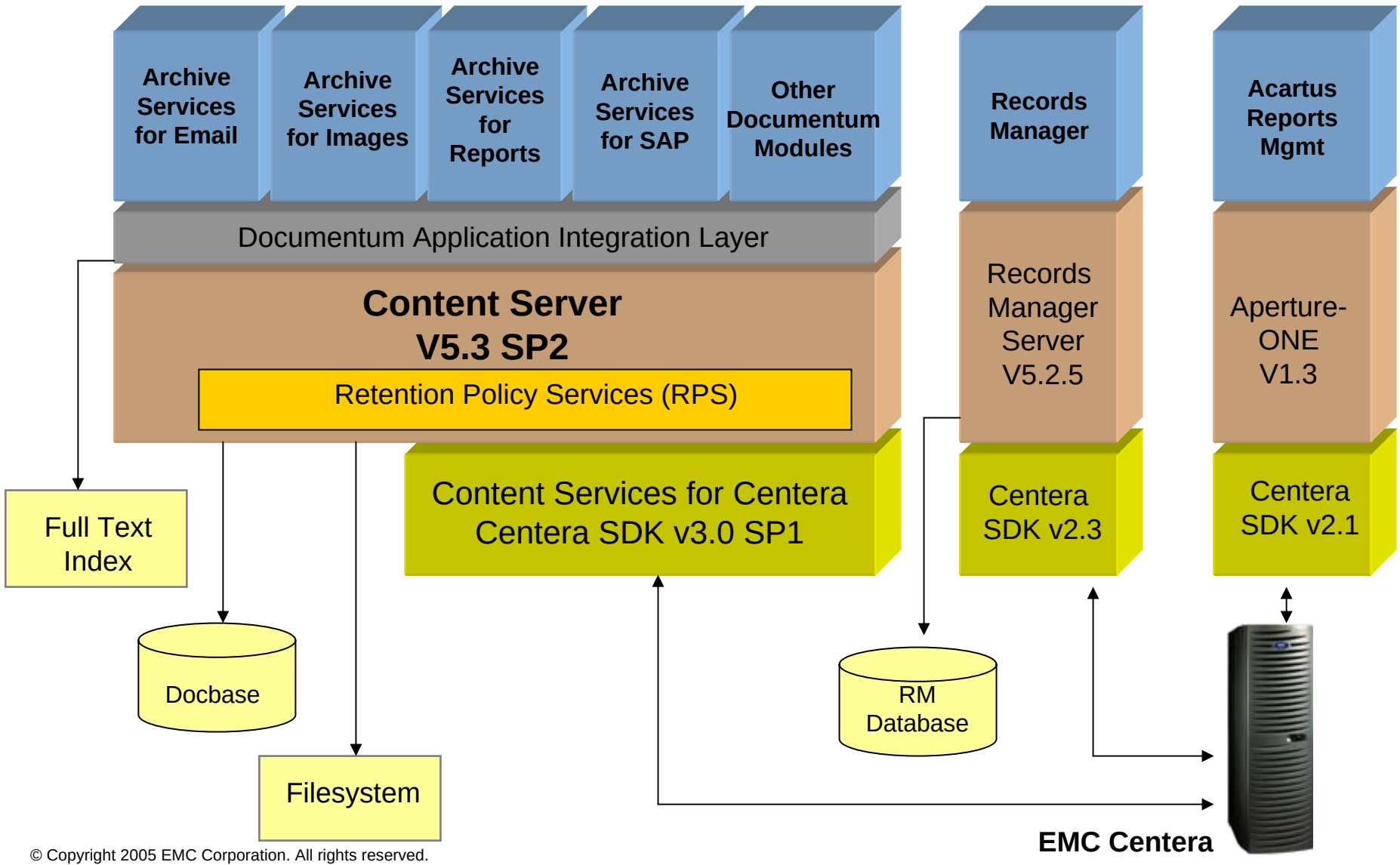
Documentum Architecture



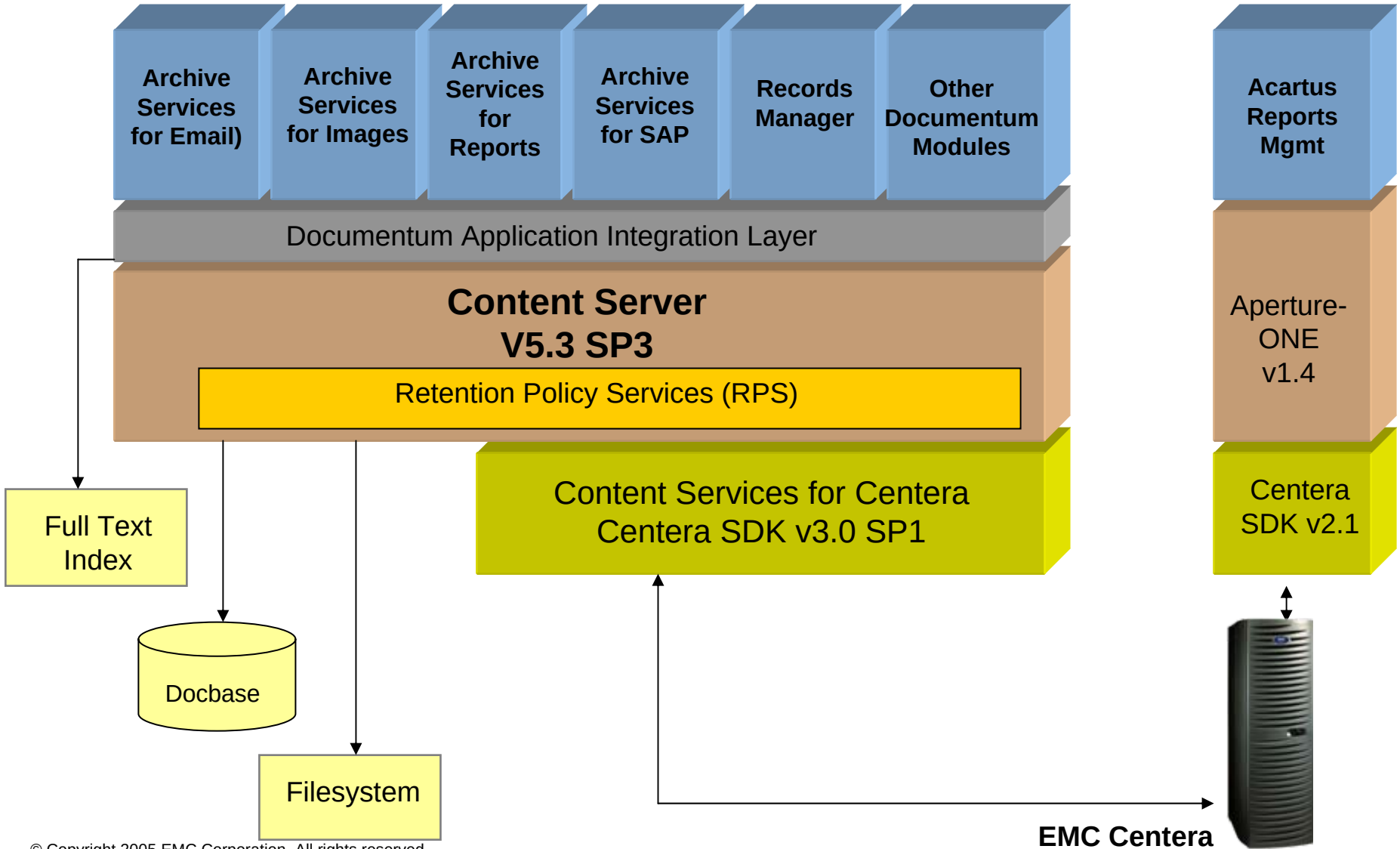
Documentum Integration Description

- Currently, there are 3 Centera integrations:
  - Documentum Content Server (v5.3 SP2), supporting:
    - Archive Services for Email
    - Archive Services for Images
    - Archive Services for Reports
    - Archive Services for SAP
    - Integrated to Centera SDK v3.0 SP1
  - Documentum Records Manager Server (v5.2.5)
    - Integrated to Centera SDK v2.3
  - Acartus ApertureONE Reports Management (v1.4)
    - Integrated to Centera SDK v2.1
- With the next release of Content Server (v5.3 SP3)
  - Records Manager will access Centera thru the Retention Policy Services module running on the Documentum Content Server
  - Acartus will be able to access Centera thru direct, native integration –or– through the Documentum Content Server
- Supports single document storage, retrieval, and deletion

Current Integration – Content Server V5.3 SP2



Content Server V5.3 SP3 (Summer 2006)



Known Limitations/Restrictions

- Default Centera retention period
  - Currently there's no way to easily model a fixed retention period.
  - CSEC accepts a default retention date (ex. Jan 1, 2010)
  - Content is written with a variable period; calculated to expire on the given date
  - Content Server v5.3 SP3 will support setting retention period
- Multi-process access on Unix platforms
  - Documentum client sessions fork processes on UNIX
  - This translates to multiple Centera pool connections
  - Note: Windows implementation is multi-threaded; Centera connections are shared
- Reading content
  - All reads are ~ partial reads
  - Impacts read performance for large files
- MacIntosh Resource Fork support
  - Macintosh files (with resource forks) are not supported when writing to a Centera Store
- Trusted Content Services
  - Not supported with Centera

Support Platforms

- Supported OS Platforms
  - Windows,
  - AIX
  - Solaris
  - HP-UX
  - Red Hat
  - SuSE
- Supported Database Platforms
  - Oracle
  - SQL Server
  - DB2


EMC²
where information lives®