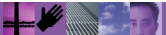


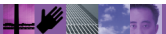
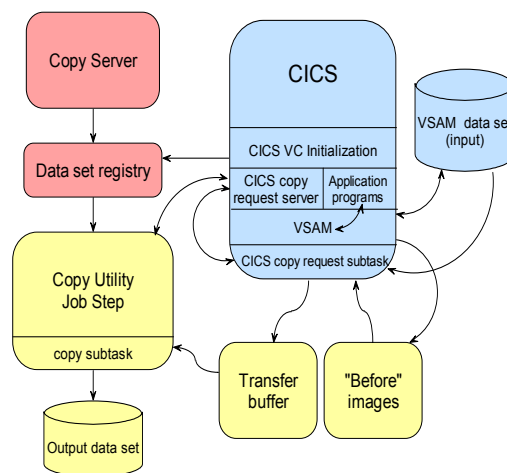
CICS VSAM Copy for z/OS – Version 1.1

Architecture Overview



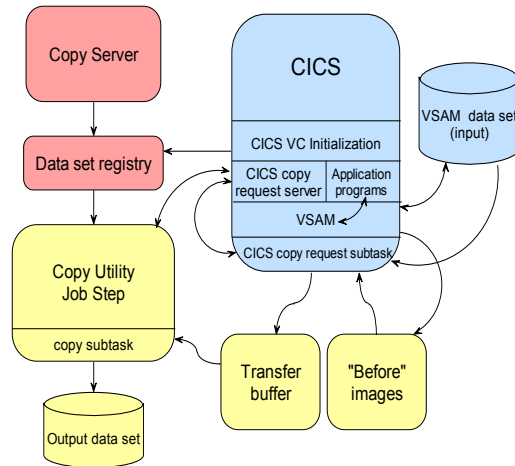
CICS VSAM Copy for z/OS – Architectural Overview

- **Three major components**
 - ▶ Copy server
 - ▶ CICS component
 - ▶ Copy Utility



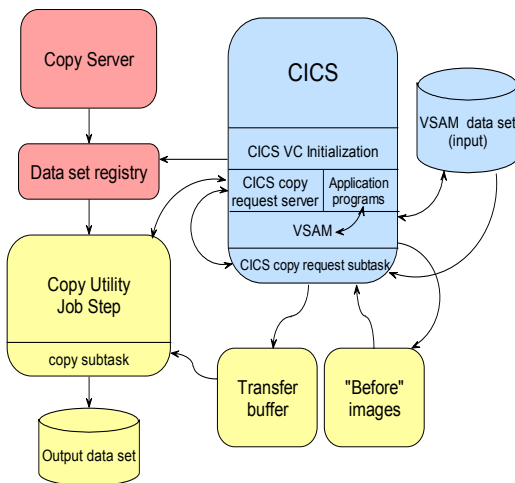
CICS VSAM Copy for z/OS – Copy Server

- Owns/anchors global control blocks
- Provides authorized services
- Ensures CICS copy request server task termination
- Up to 255 per MVS image
- Public vs. private
- Supports multiple CICS regions
- Supports multiple copy utility job steps
- Must be active...
 - ▶ Before CICS component starts
 - ▶ Before copy utility job step starts



CICS VSAM Copy for z/OS – CICS Component

- Only used for online copy requests
- Connects to one and only one copy server
- Registers data sets during startup
- Updates registry when data sets are opened or closed or component is shut down
- Accepts copy requests via EXCI
- One copy request server per copy utility job step
- Attaches one MVS subtask per data set being copied
- Hooks VSAM record management interface (ACBINRTN) to track update requests for data sets
- Subtask reads data set and merges "before" images with records read
- Results are saved in transfer buffer for processing by copy utility



CICS VSAM Copy for z/OS – Copy Utility

- **Runs as an MVS job step**
- **Connects to one and only one copy server**
- **Locates data set(s) via registry**
- **Attaches one MVS subtask per data set being copied**
- **Initiates online copy request in CICS region via EXCI**
- **Waits for phase one completion**
- **Pulls records off of transfer buffer**
- **Writes records to output data set**
- **Output data set must exist when copy utility starts**
 - Pre-allocated prior to job step
 - Allocated in job step JCL

