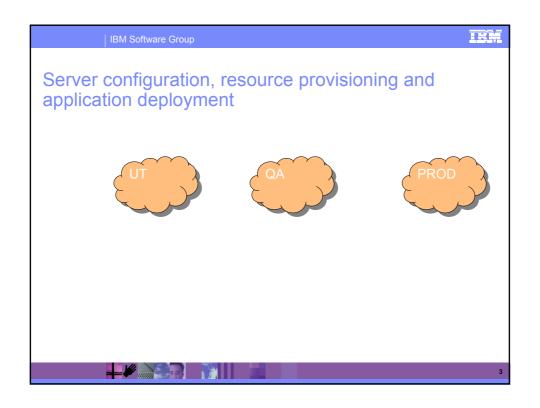
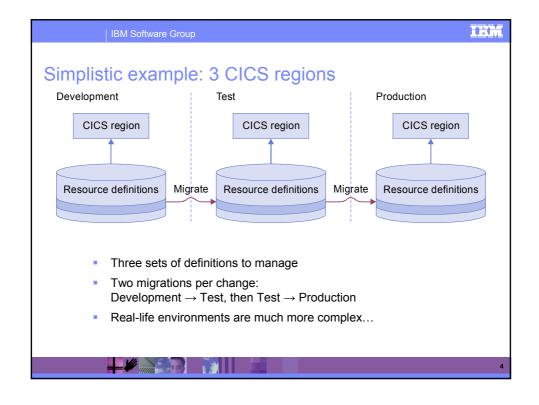
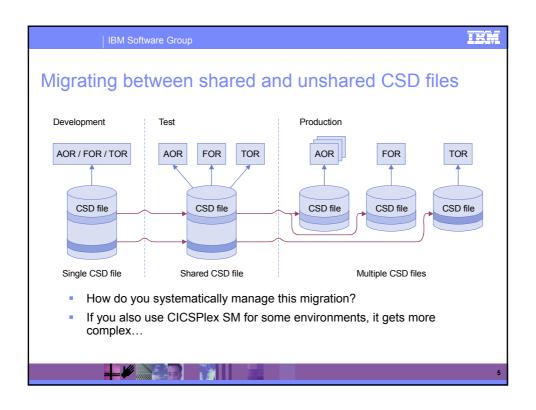


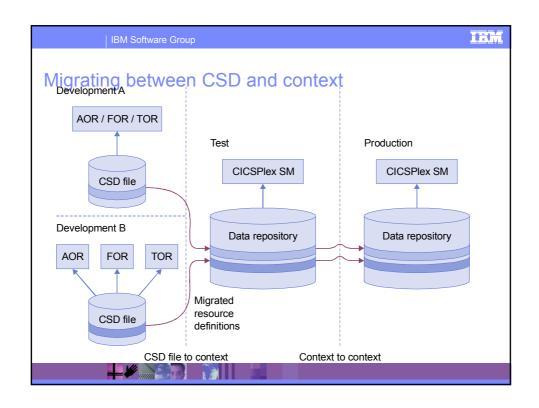
# What's the problem? Configuring CICS systems consists of Server configuration Resource provisioning Application deployment All three require creation/modification of CICS resource definitions Definitions must be migrated from development, to test, to production environments Topology of CICS regions can be complex; different topologies in each environment can require changes to the definitions Definitions can be stored in CSD files or CICSPlex SM data repositories

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### Other issues

- What if definitions are intentionally different in each environment? Do you edit them separately?
  - e.g. different high-level qualifiers: DEVT., TEST., PROD...
- Need separate tools for CSD files and CICSPlex SM?
- How do you back out a change?
- How do you record changes, for auditing?
- How do you avoid promoting unexpected changes made by another user?
- How do you compare resource definitions?
- Who approves the migration?
- How do you know which definitions are still needed?
- Have you got duplicates, missing definitions?
- I can migrate to CSD to BAS using the provided extract facility
- I can't move from BAS back to CSD with CPSM facilities directly

Today move from Este back to copy with or own admitted directly

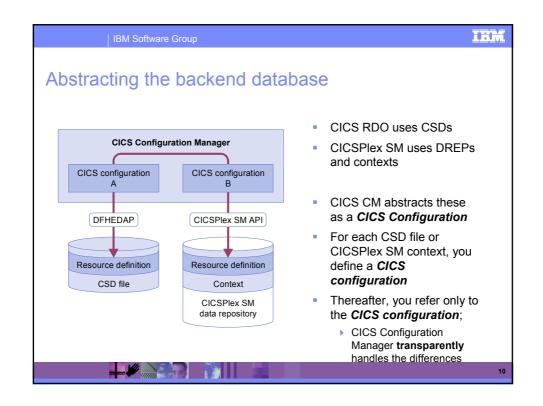
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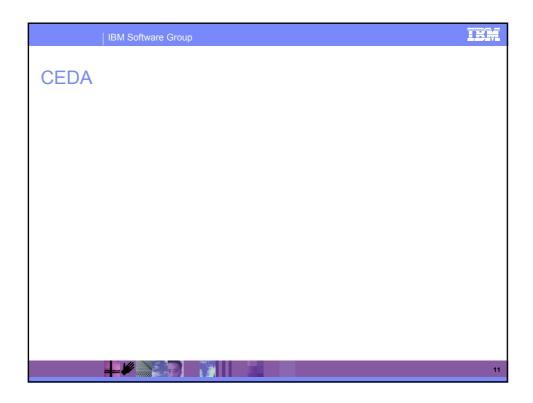
# Requirements

- Managers need to control, approve, and audit how definitions are migrated
- Technical staff need an easy-to-use and flexible tool to update and migrate definitions, undo migrations, investigate what they currently have, and report to management

CICS Configuration Manager provides all this and more...

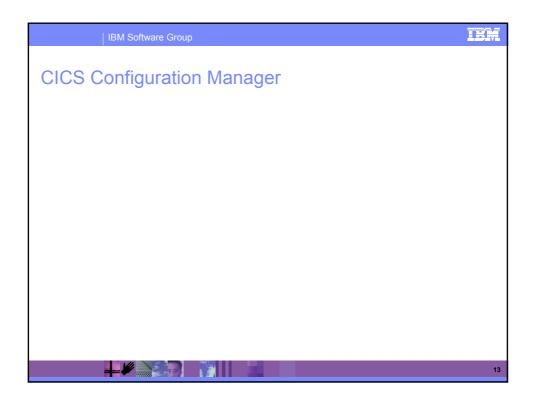


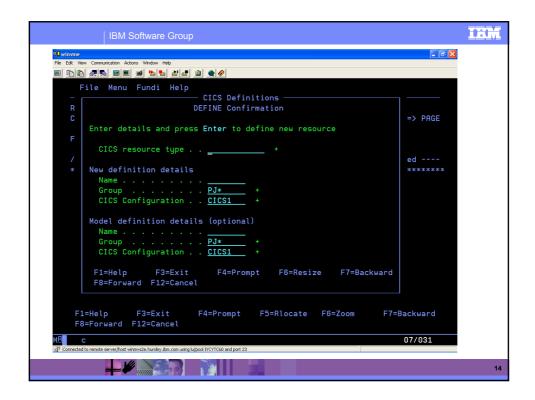


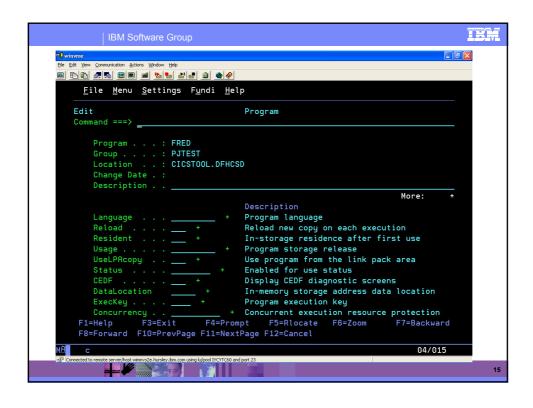


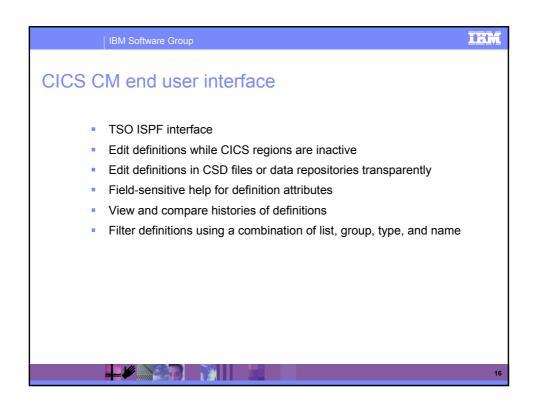
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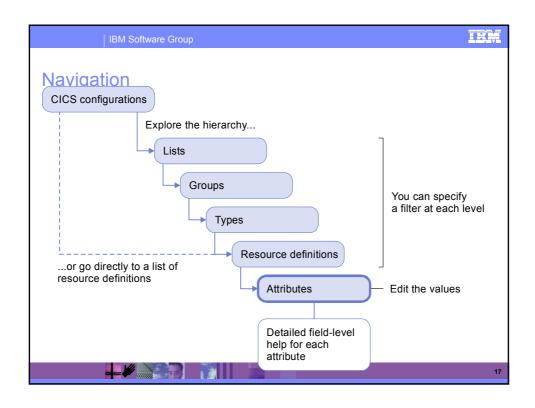
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No | Yes
Normal | Transient
No | Yes
Enabled | Disabled
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Cicsapi | Openapi
            Language ==>
RELoad ==> No
RESident ==> No
USAge ==> Normal
USElpacopy ==> No
Status ==> Enabled
RS1 : 00
CEdf ==> Yes
DAtalocation ==> Below
EXECKey ==> User
COncurrency ==> Quasirer
Api ==> Cicsapi
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           REMOTE ATTRIBUTES
DYnamic ==> No
       + DYnamic ==> M
MESSAGES: 2 SEVERE
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(3) Connected to remote server/host wirvmc.hursley.ibm.com using port 23
```

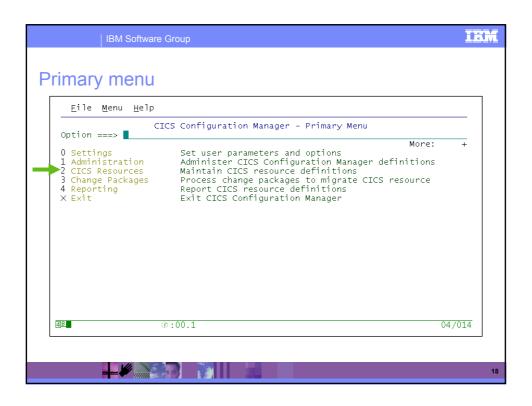












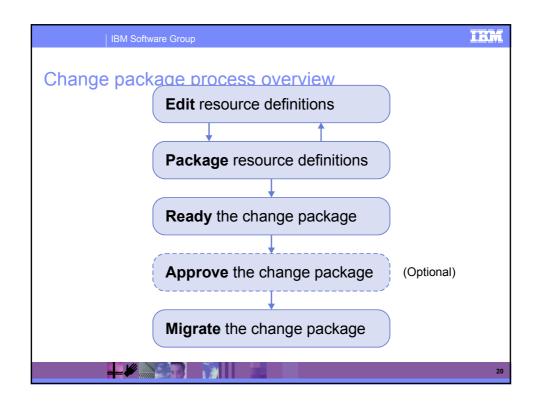
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# Gaining more control over movement of definitions

- So far we can manipulate definitions and report on them at will
- We can also gain more control on the movement of definitions through
  - Packages
    - What to move
  - Migration schemes
  - Source and target configurations
  - ▶ Transformation rules
    - How attributes are to be transformed
  - Approval processing
    - Approval processing prior to migrate
  - Migrate/Backout commands
    - Cause the changes to occur
- Migration schemes, transformation rules and approval profiles are defined by the system programmer
- Packages are defined by the developer and processed by the system



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# **Detecting unexpected changes**

- CICS Configuration Manager, CICSPlex SM and base RDO facilities can coexist
  - ▶ Allows for emergency changes
  - ▶ Opens possibility of changes occurring under CICS CM
- Before migrating, you marked a change package as "ready", indicating you wanted no further edits
- CICS Configuration Manager automatically detects changes to the "ready" definitions
- If the "ready" definitions are different, the migration is not allowed
- Protects you from migrating unexpected changes

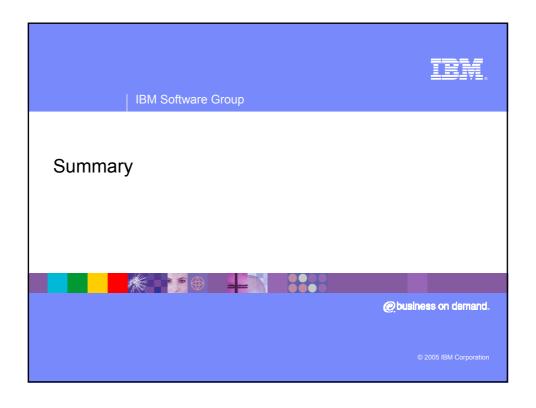


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### Batch command interface

- Allows you to integrate the change package functions of CICS Configuration Manager with change control products (such as SCLM)
- Offers a subset of CICS Configuration Manager functions: APPROVE, BACKOUT, DISAPPROVE, INSTALL, MIGRATE, READY, UNREADY
- Packages previously approved can therefore be physically moved under job scheduler, jobstep control

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# For managers Groups CICS resource definition changes into change packages Uses approval profiles to control who must approve a change package Uses migration schemes to control which CICS regions a change package affects Keeps detailed audit logs in journal

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## For technical staff

- Work with definitions in CSD files or CICSPlex SM contexts transparently
- Edit definitions using TSO/ISPF panels:
  - ▶ Whether CICS regions are active or inactive
  - ▶ Better usability than CEDA and WUI panels
  - Context-sensitive help for attributes
- Migrate definitions between multiple CICS regions with a single command
- Back out migrations with a single command



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## For technical staff

- Transform definitions during migration
- Ready processing: detect unexpected changes in definitions prior to migration
- Compare historical versions of definitions, or current definition values in different configurations

