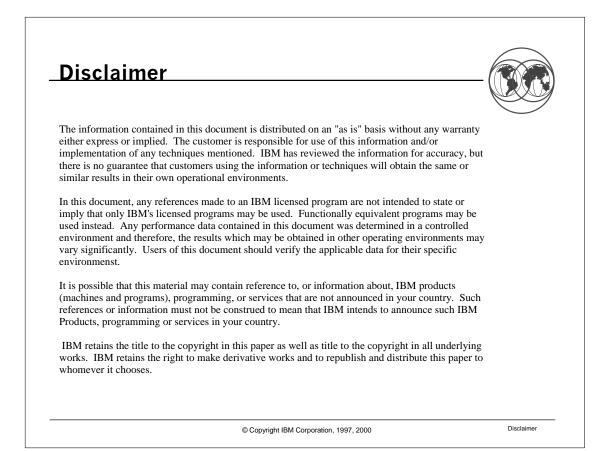


SecureWay Security Server for OS/390 Update 9/13/2000

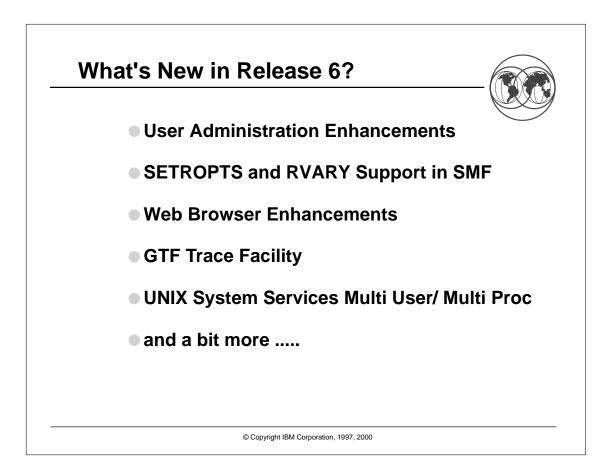
Walter B. Farrell SecureWay Security Server for OS/390 Design (845) 435-7750 wfarrell@us.ibm.com

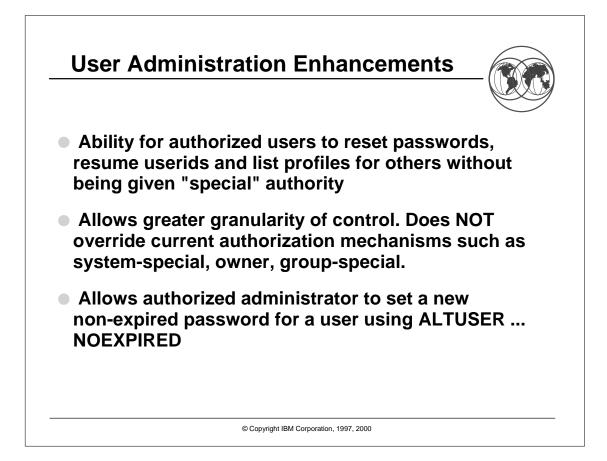


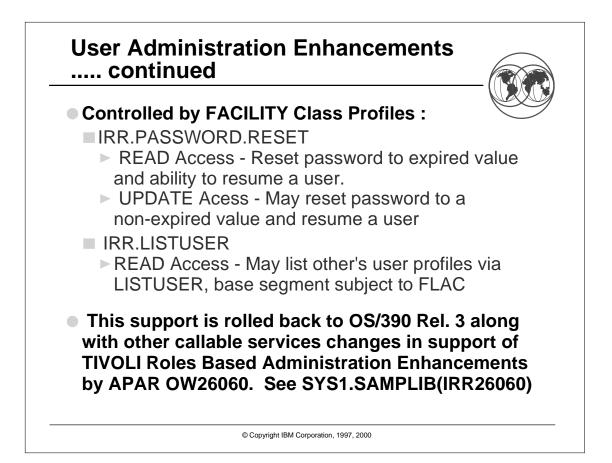
© Copyright IBM Corporation, 1997, 2000

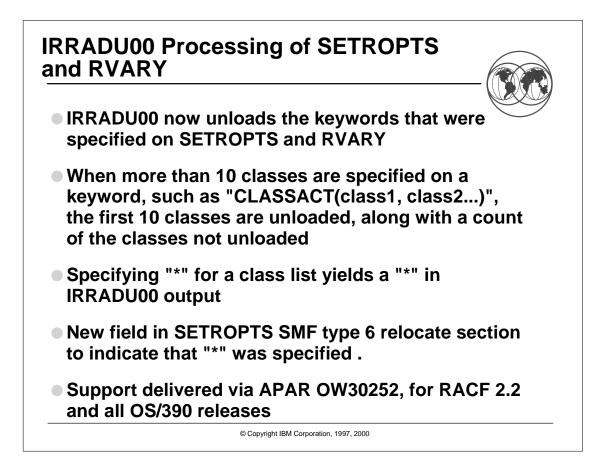


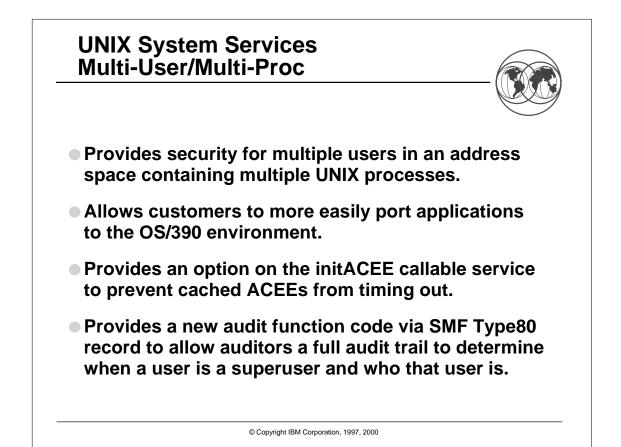


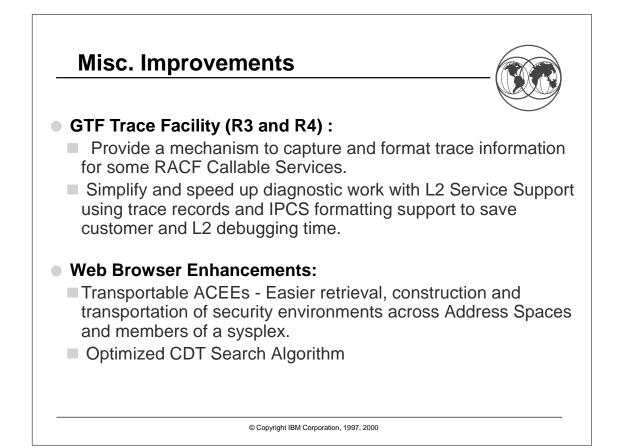


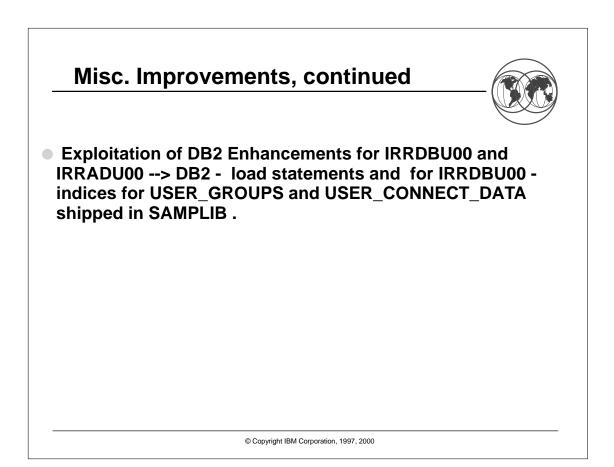


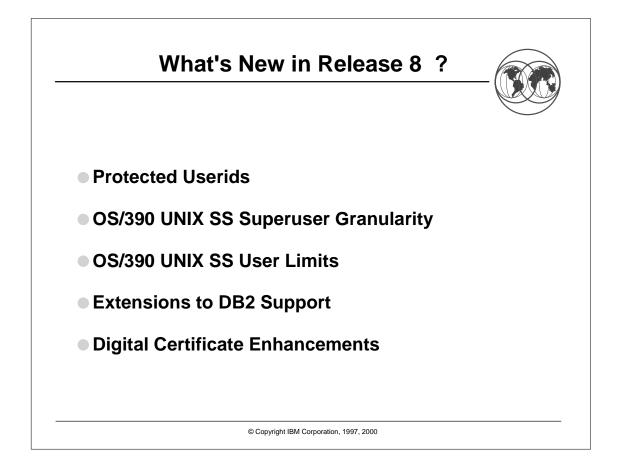


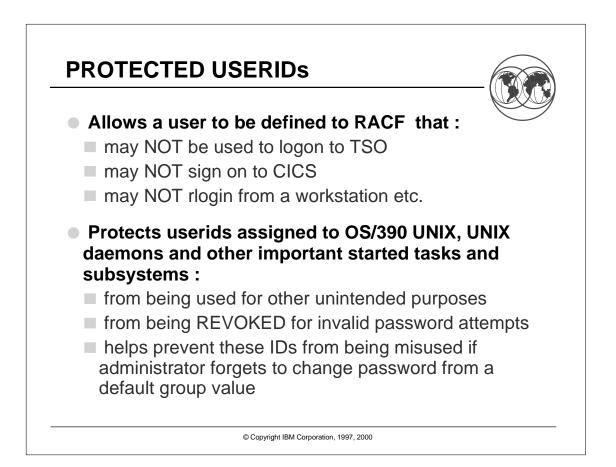


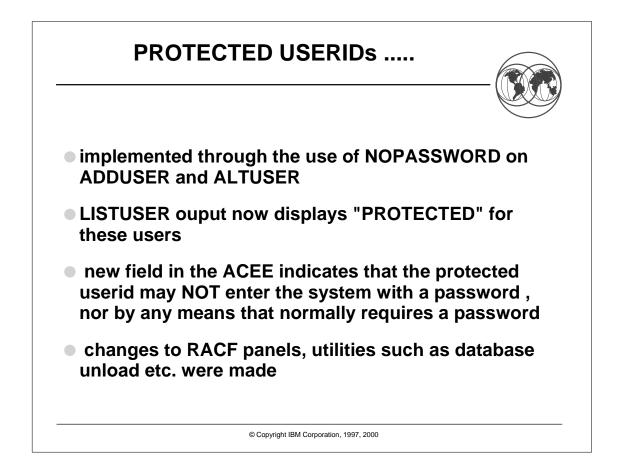


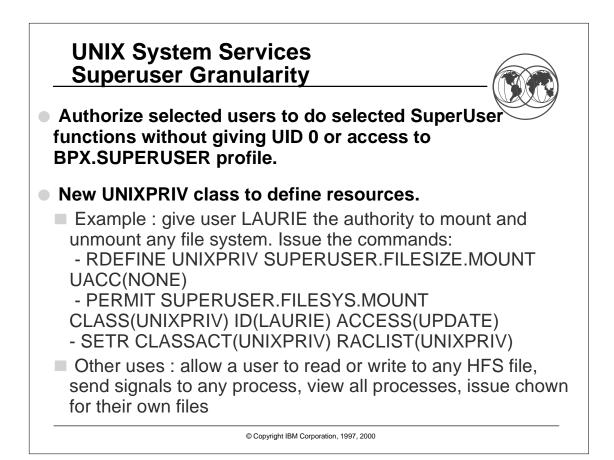


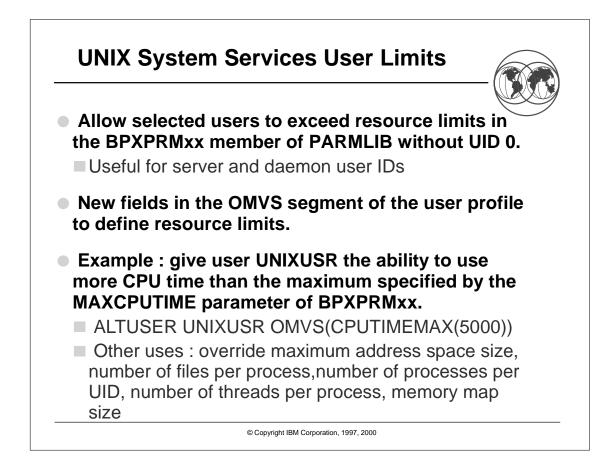


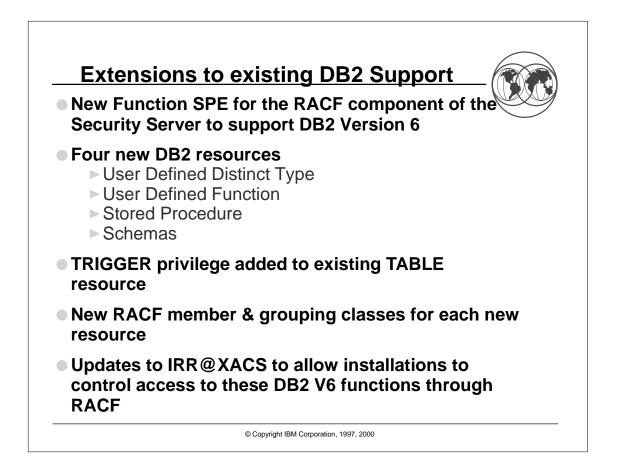


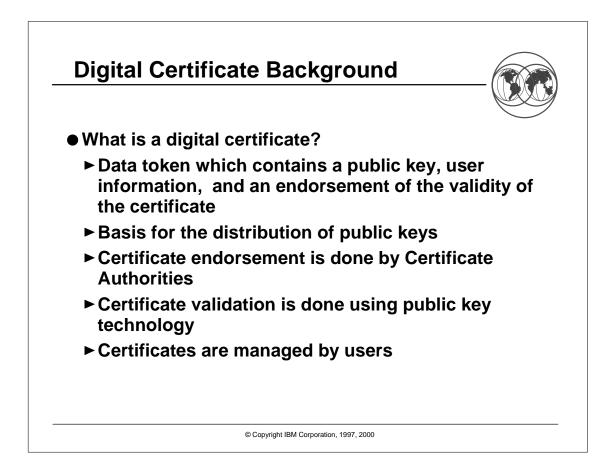


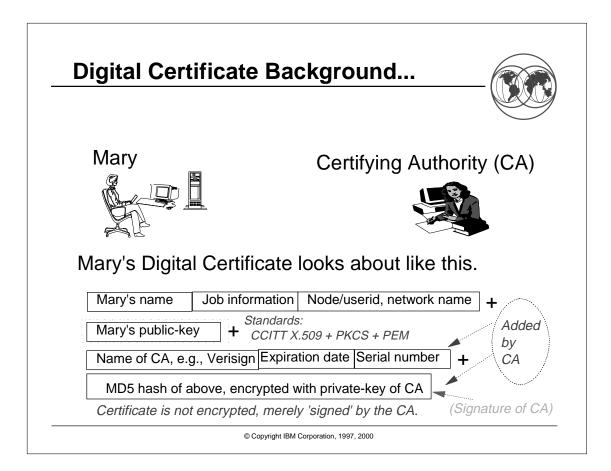


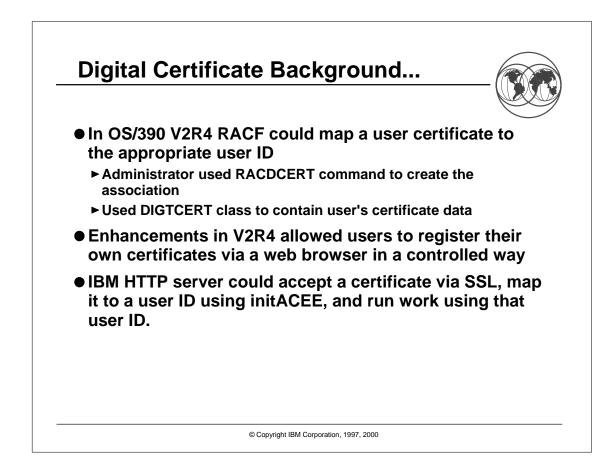


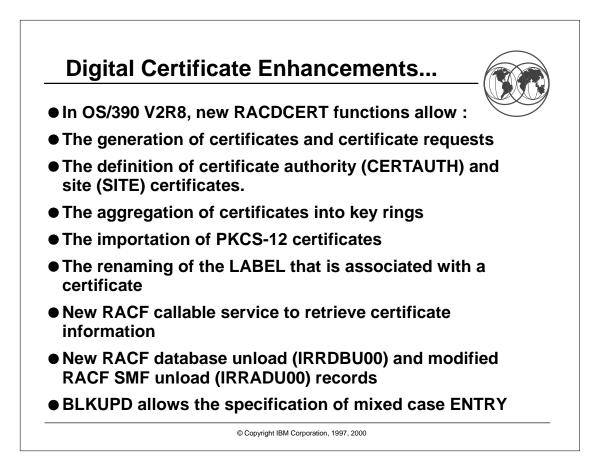


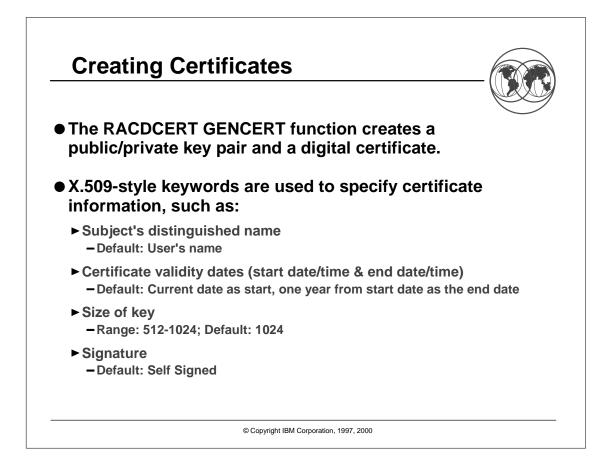


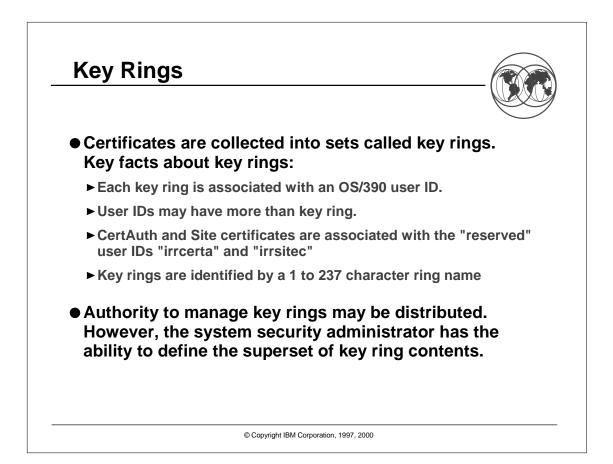


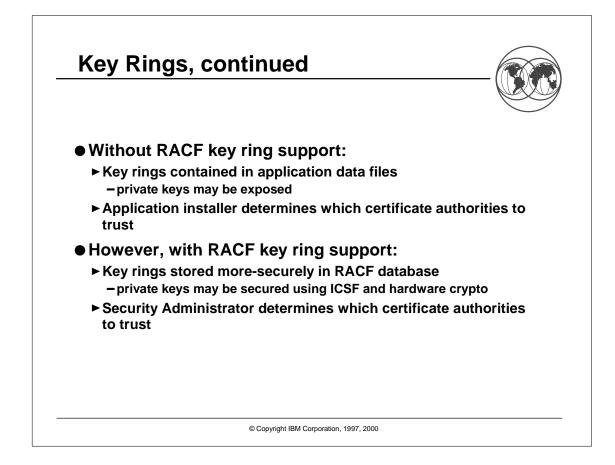


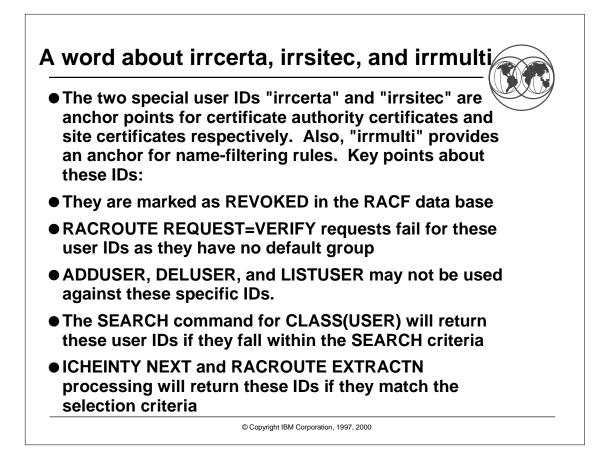


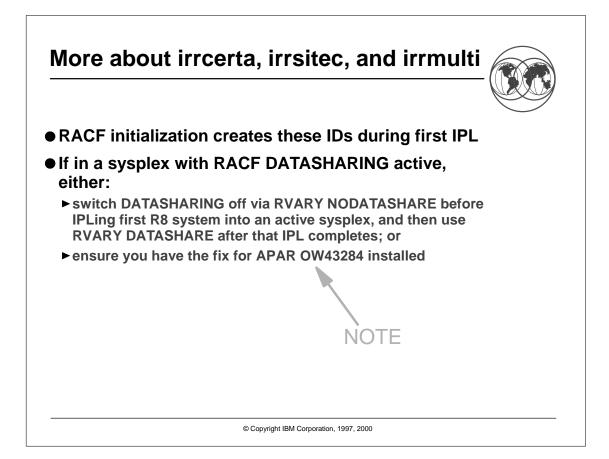


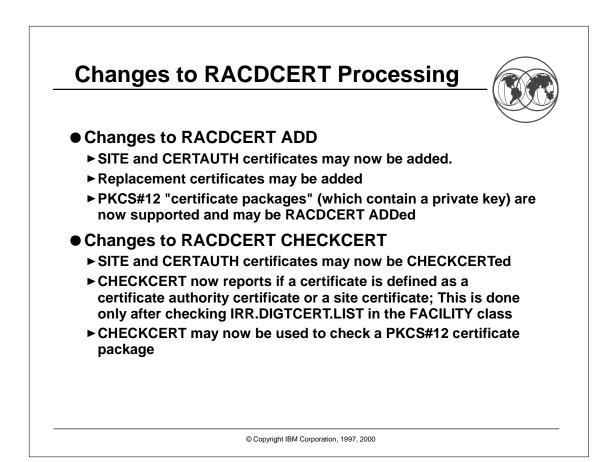


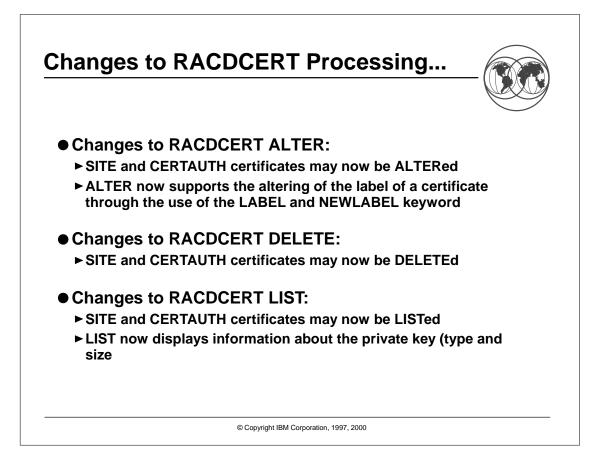


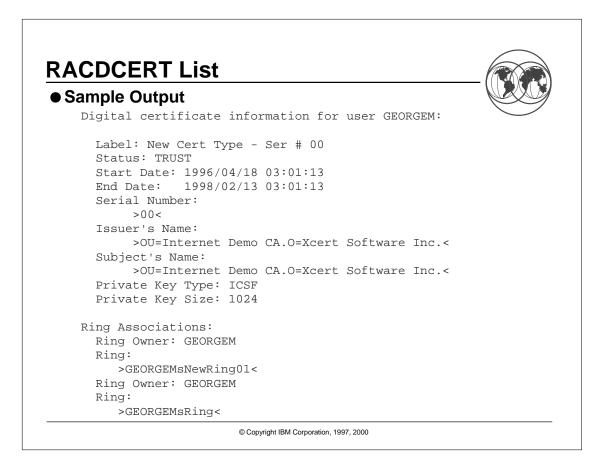


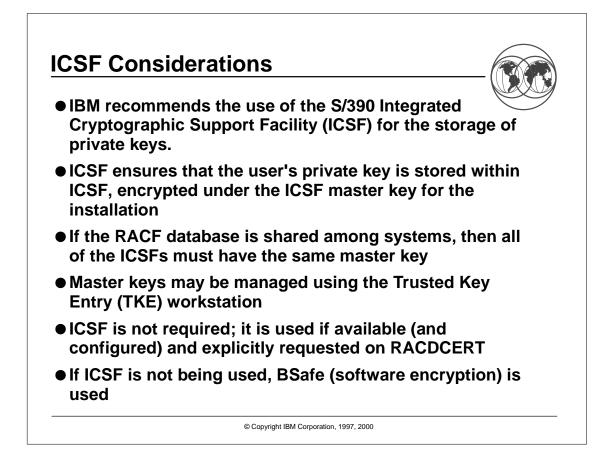


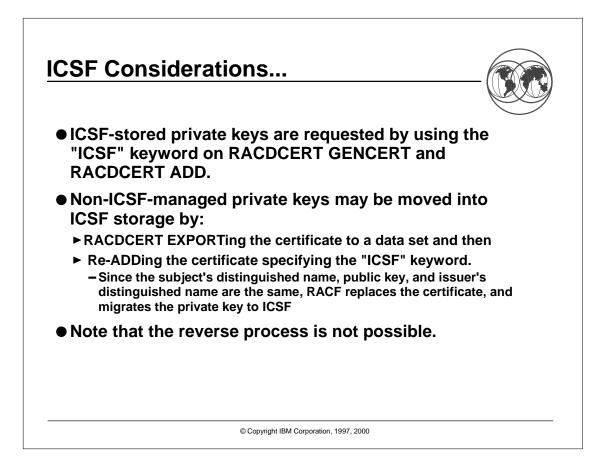


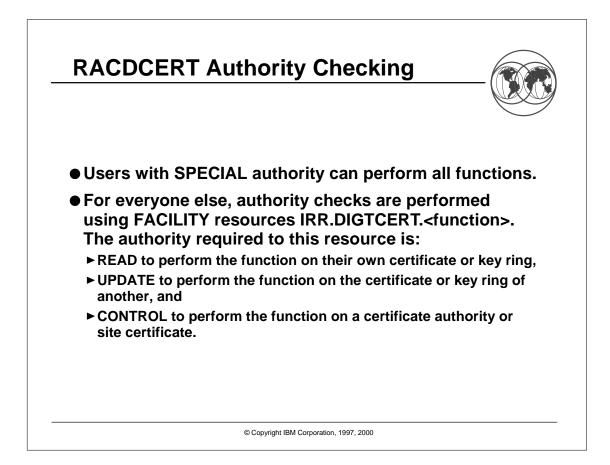






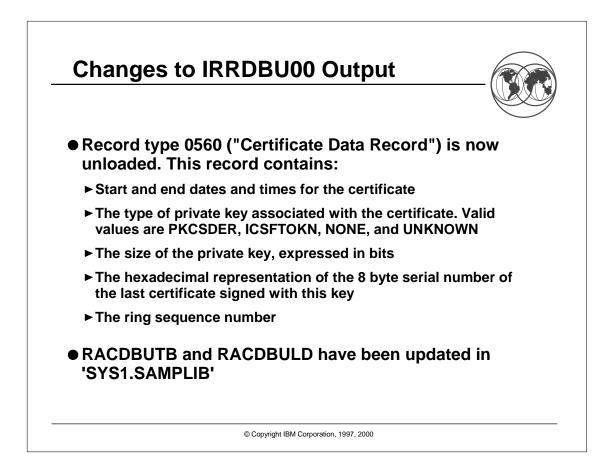


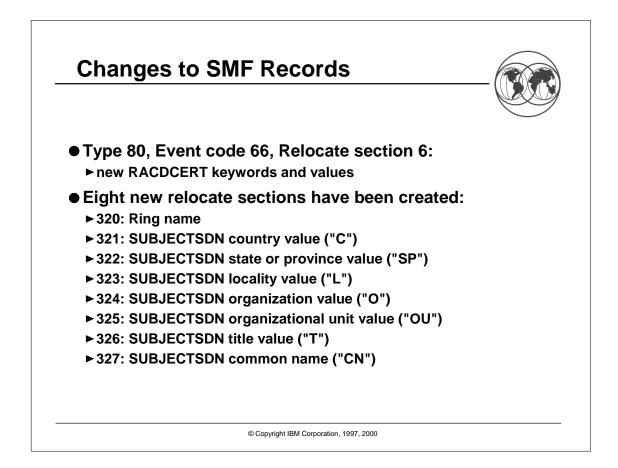


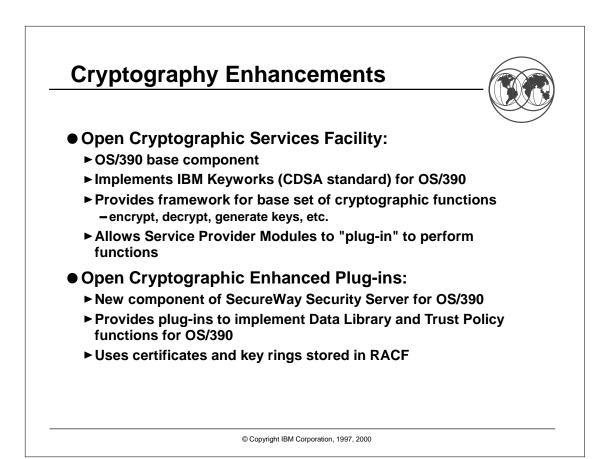


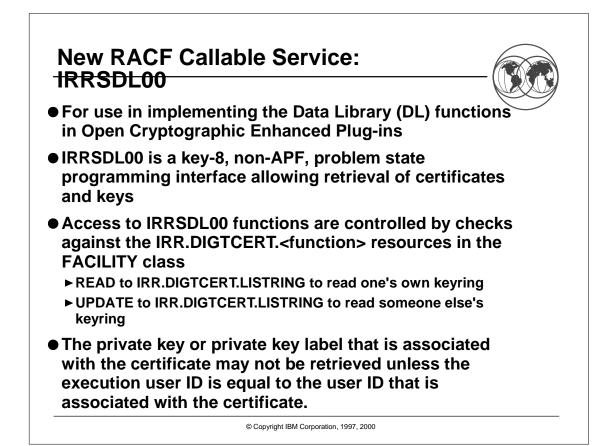
| Function | READ | UPDATE | CONTROL | |
|----------|--|---|--|--|
| ADD | Add a cert to one's own user ID (also to GENCERT for self) | Add a cert to someone else's ID (also to GENCERT for someone else) | Add or GENCERT a SITE or CERTAUTH certificate | |
| ALTER | Change the trust status or label of one's own cert | Change the trust status or label of someone else's cert | Change the trust status or label of a SITE or CERTAUTH cert | |
| DELETE | Delete one's own cert | Delete someone else's cert | Delete a SITE or CERTAUTH cert | |
| EXPORT | Export one's own cert | Export someone else's cert | Export a SITE or CERTAUTH cert | |
| GENCERT | Generate any cert, signed with own cert; or for self if SIGNWITH not used | Generate cert for another user, if SIGNWITH not used | Generate cert for any user, SIGNWITH SITE or CERTAUTH cert; or generate cert for SITE or CERTAUTH, if SIGNWITH not used | |
| GENREQ | Generate a request based on one's own cert | Generate a request based on someone else's cert | Generate a request based on a SITE or CERTAUTH cert | |
| LIST | List one's own cert | List the someone else's cert | List a SITE or CERTAUTH cert | |

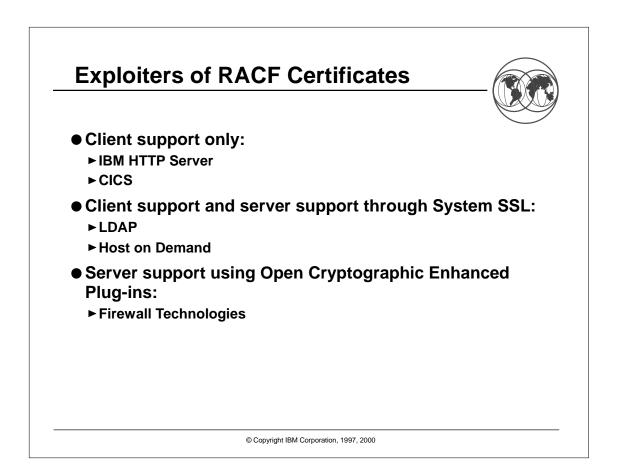
Authority Checking Summary... Function READ UPDATE CONTROL ADDRING Create a key ring for Create a key ring one's own ID for someone else's N/A ID Place ones own CONNECT Place a CERTAUTH Place a certificate into or SITE cert in certificate in one's someone else's ring own ring one's own ring DELRING Delete one's own key Delete someone else's key ring N/A ring LISTRING List one's own key List someone N/A ring else's key ring REMOVE Remove a certificate Remove a SITE or Delete a certificate from from one's own key CERTAUTH the ring of another certificate from ring one's own key ring **BOLD** indicates new with Release 8 © Copyright IBM Corporation, 1997, 2000

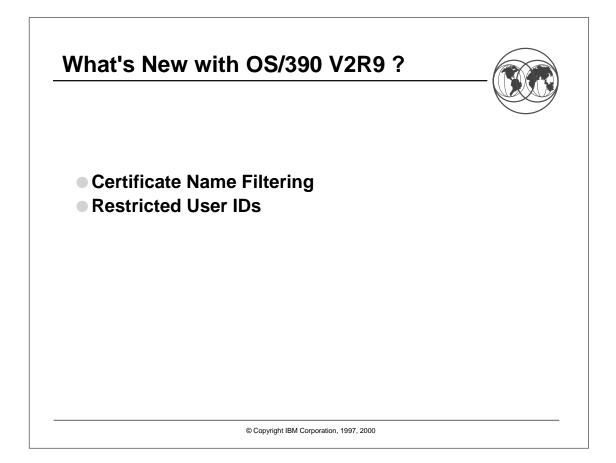


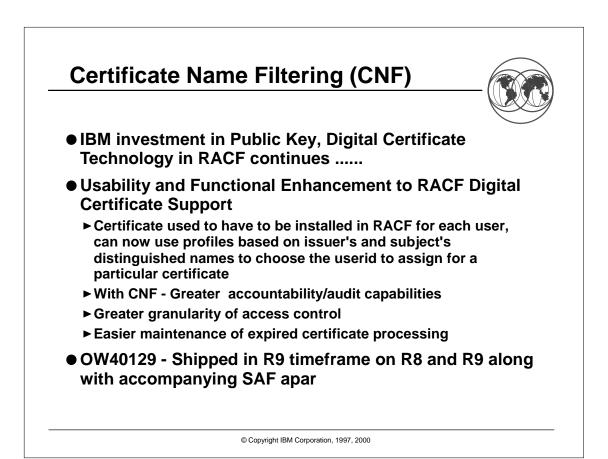


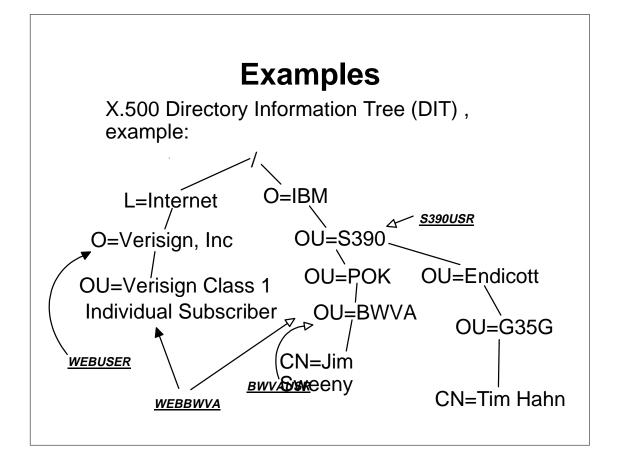


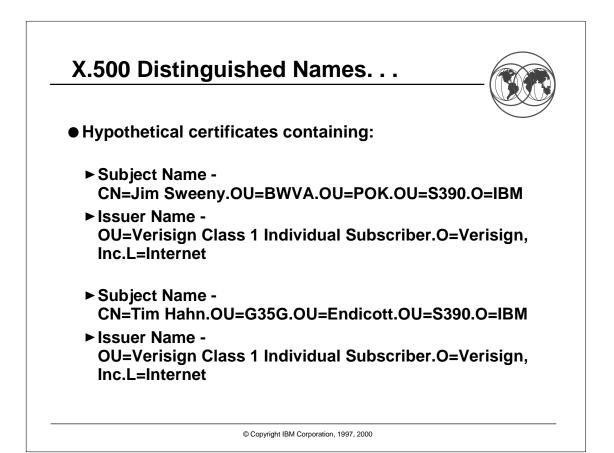


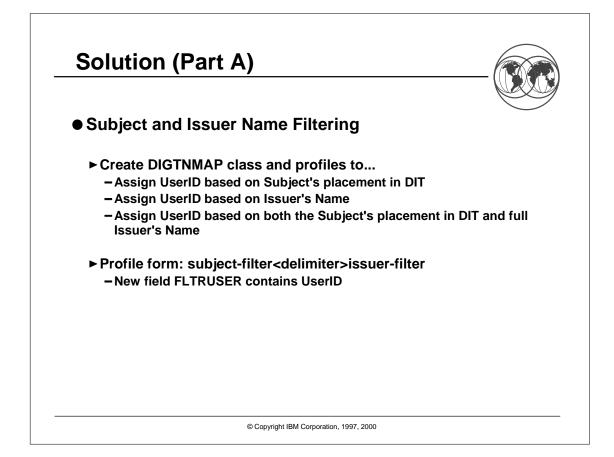


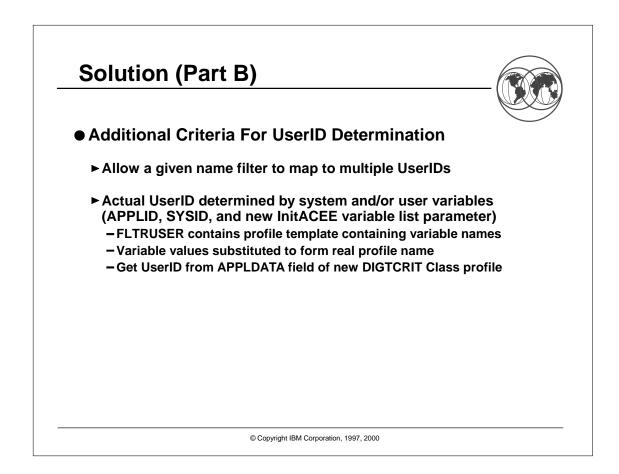


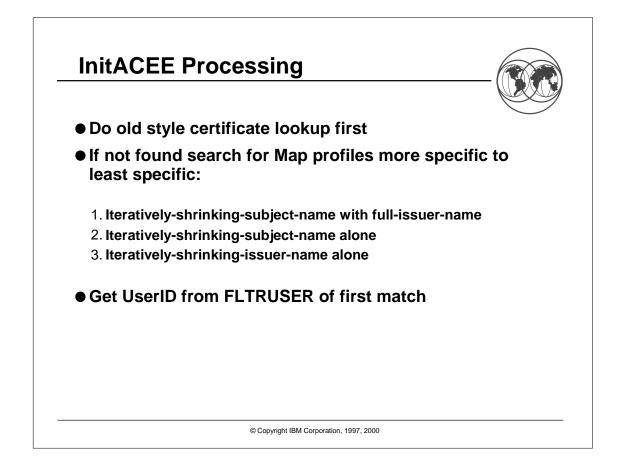


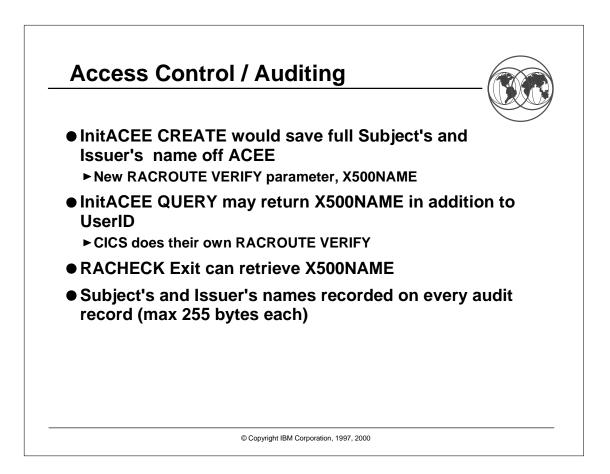












RACDCERT Command Syntax

RACDCERT [ID(user-id) | MULTIID] MAP [('cert-dsn')] [SDNFILTER('subject-dist-name-filter')] [IDNFILTER('issuer-dist-name-filter')] [CRITERIA('criteria-profile-name-template')] [WITHLABEL('label-name')]) [TRUST | NOTRUST]

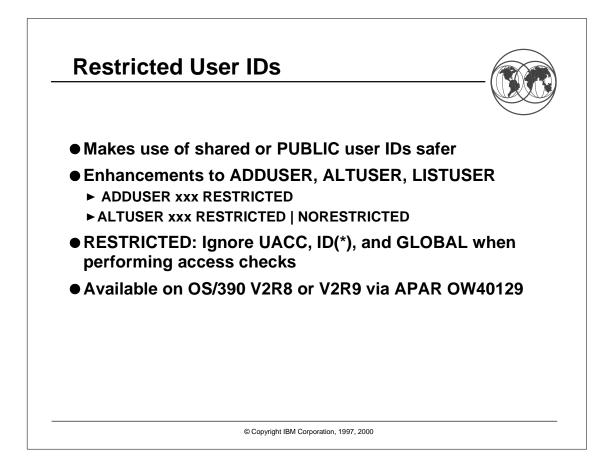
LISTMAP (LABEL('label-name'))

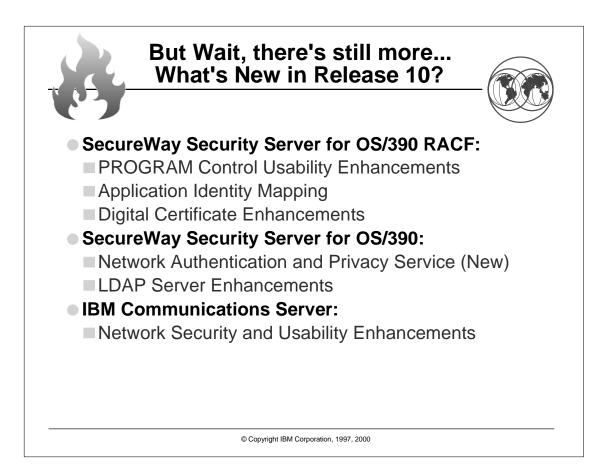
ALTMAP (LABEL('label-name')) [NEWCRITERIA('criteria-profile-name-template')] [NEWLABEL('label-name')] [TRUST | NOTRUST]

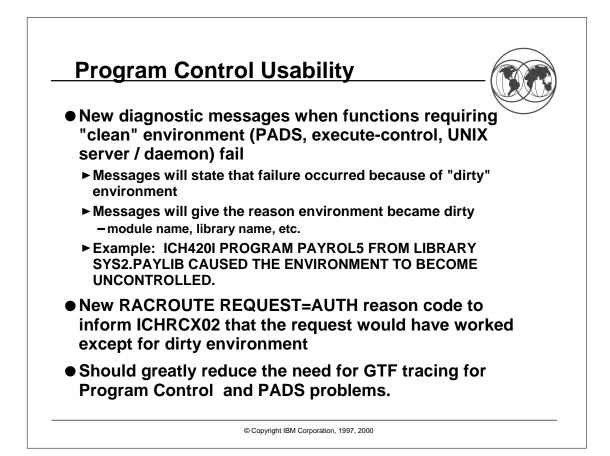
DELMAP (LABEL('label-name'))

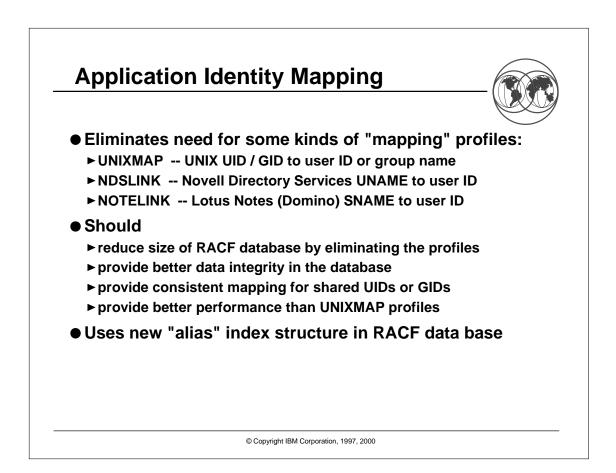
| CDCER | T Authority C | Checking (R | <u>(9)</u> |
|----------|--|--|------------|
| Function | READ | UPDATE | |
| MAP | Create a mapping associated with one's own ID | Create a mapping associated with another ID or MULTIID | |
| ALTMAP | Alter a mapping associated with one's own ID | Alter a mapping associated with another ID or MULTIID | |
| DELMAP | Delete a mapping associated with one's own ID | Delete a mapping associated with another ID or MULTIID | |
| LISTMAP | List mapping info associated with one's own ID | List mapping info associated with another ID or MULTIID | |

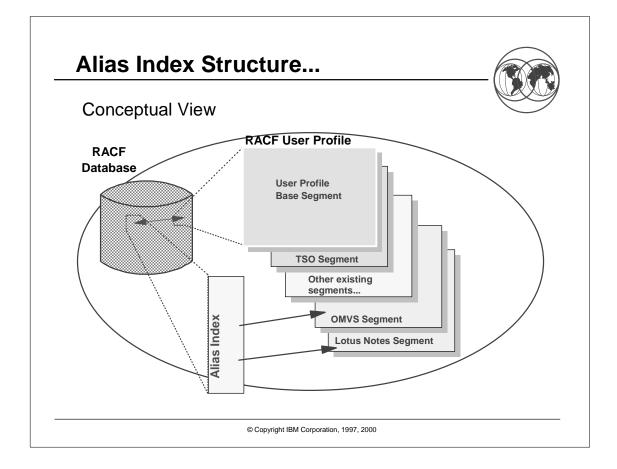
© Copyright IBM Corporation, 1997, 2000

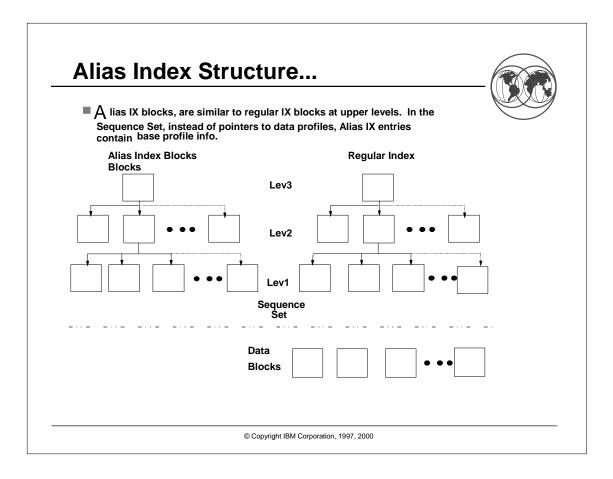


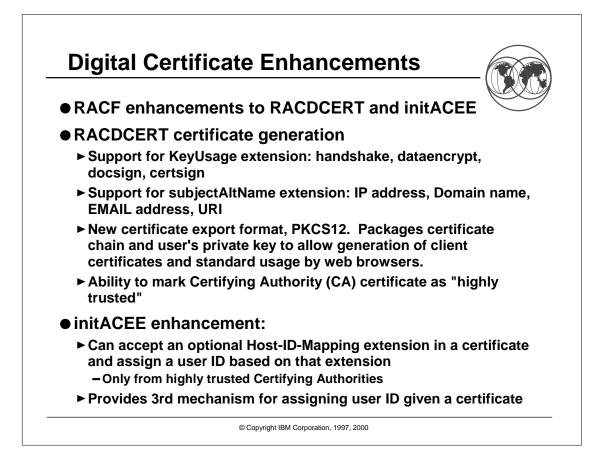


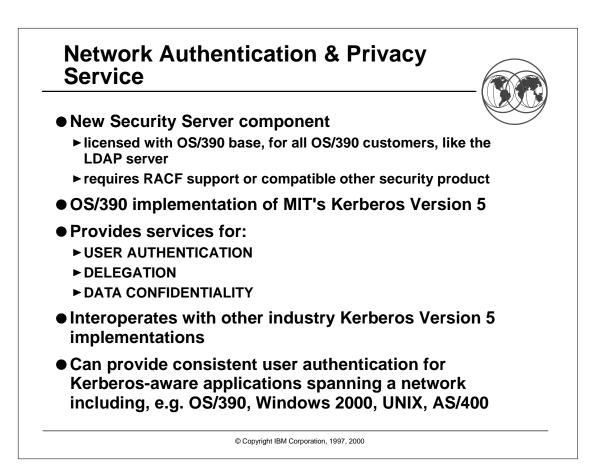


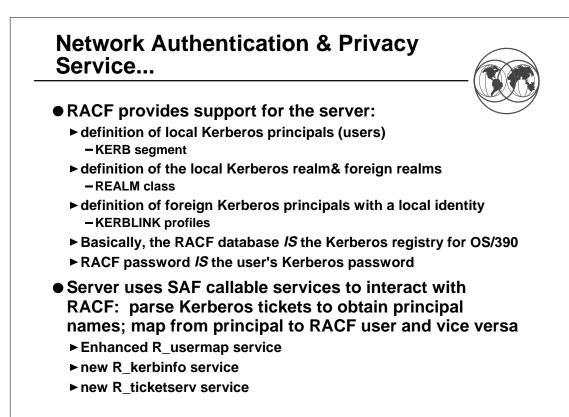




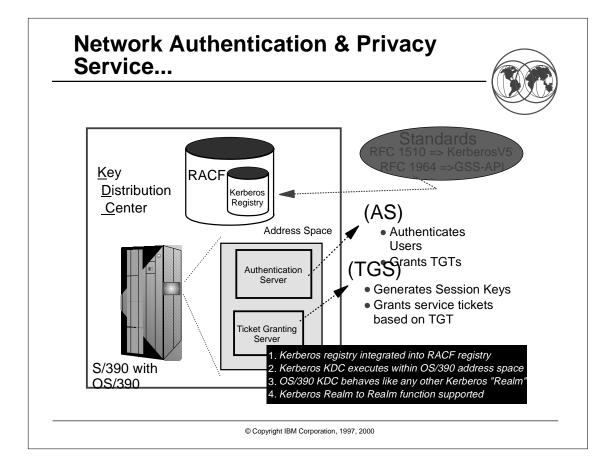


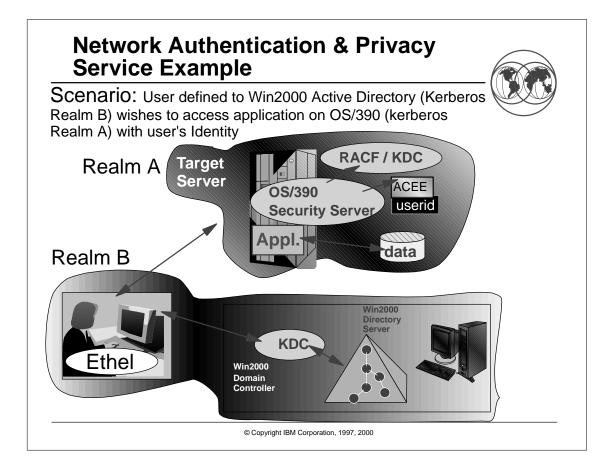


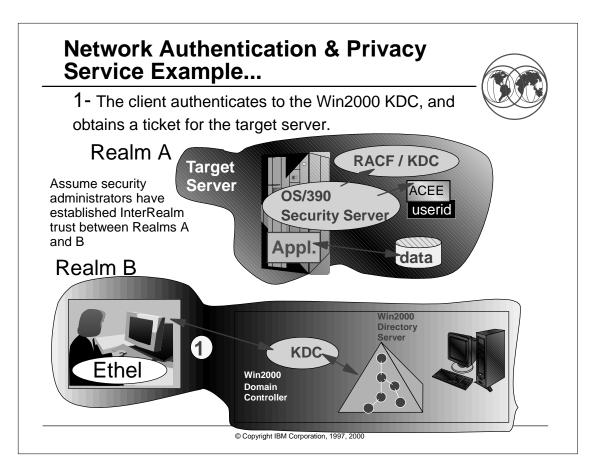


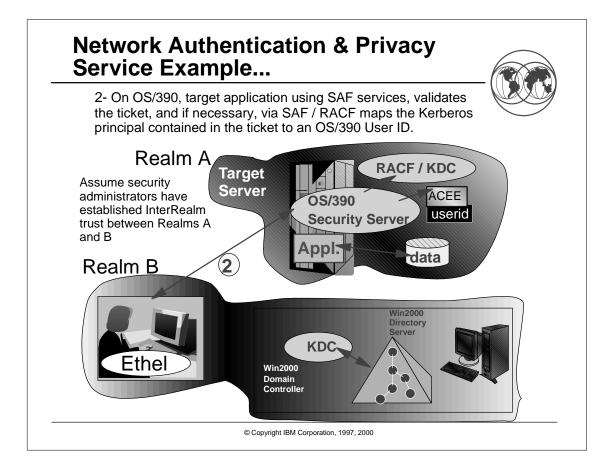


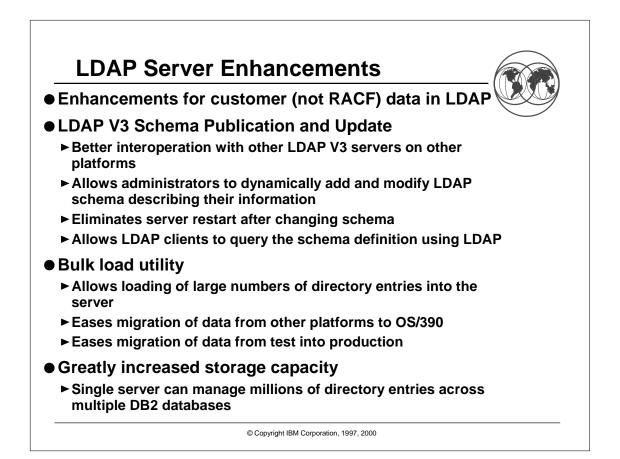
© Copyright IBM Corporation, 1997, 2000

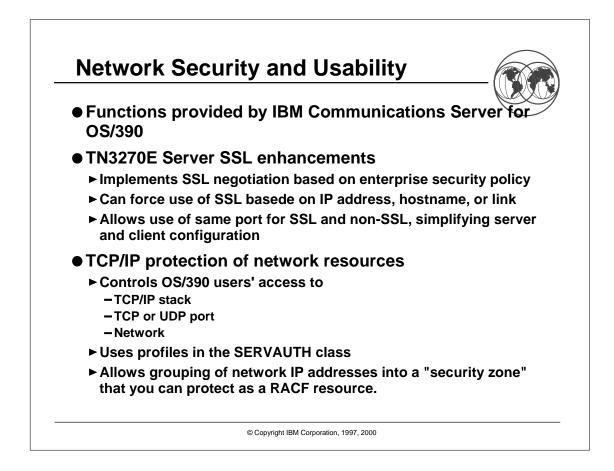


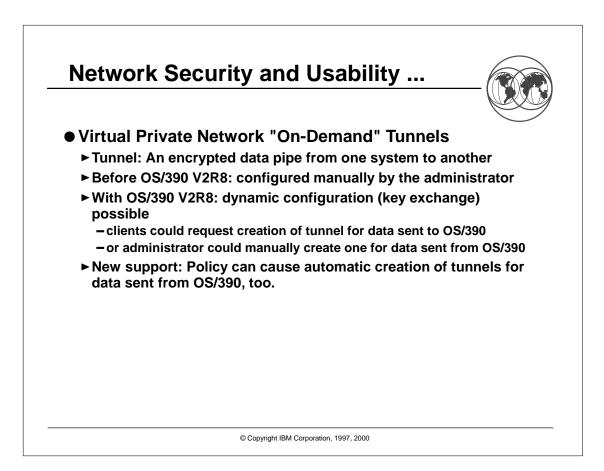


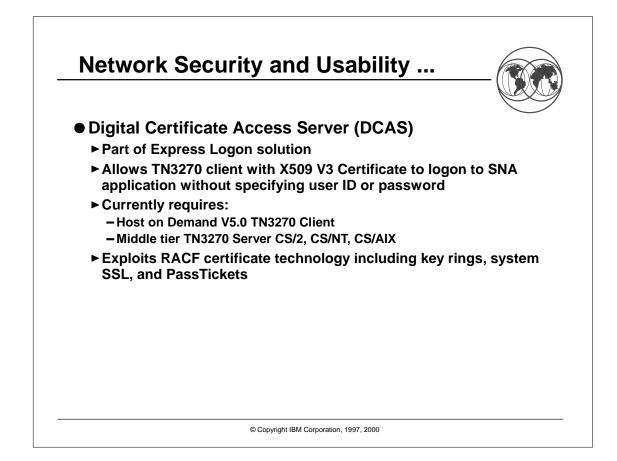


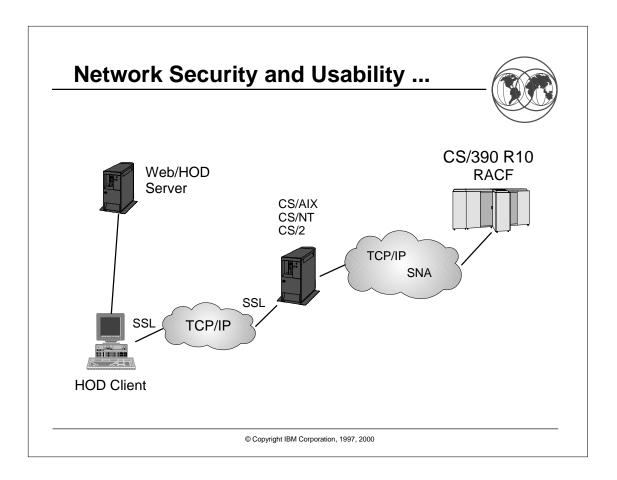


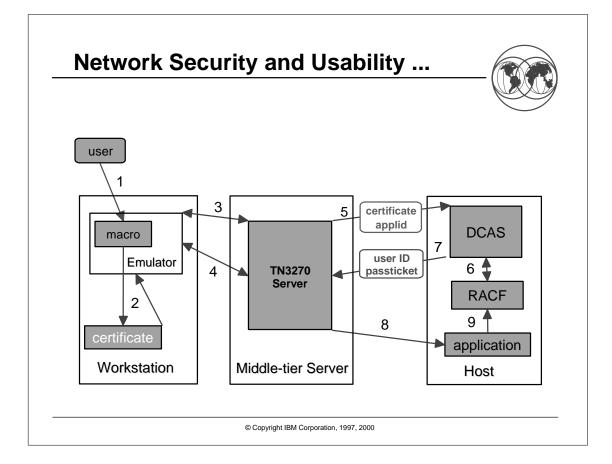


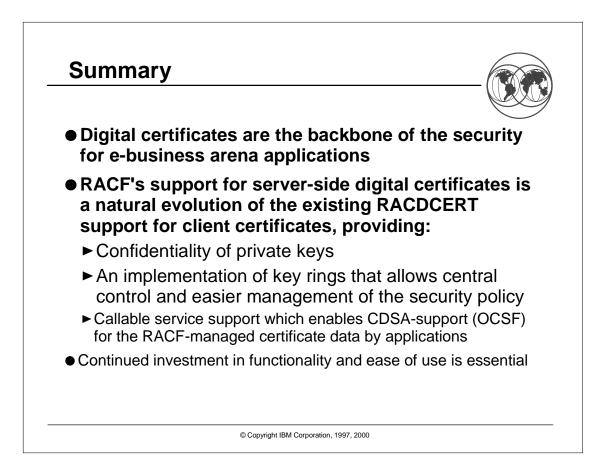


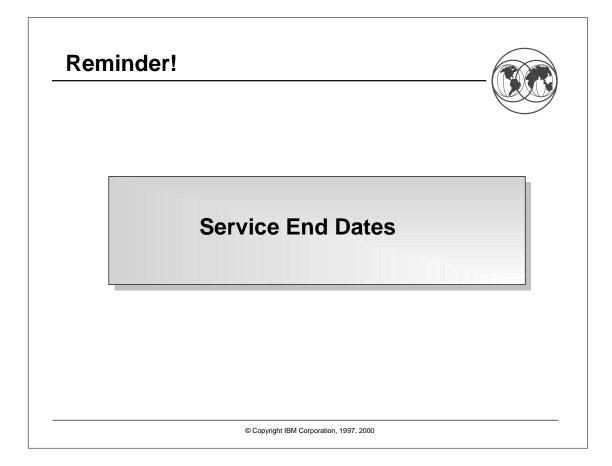


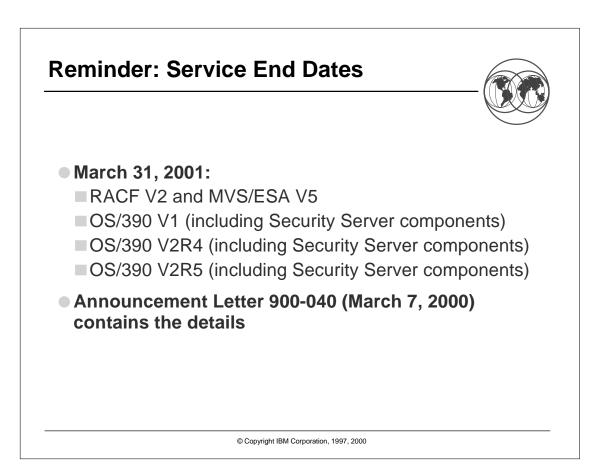


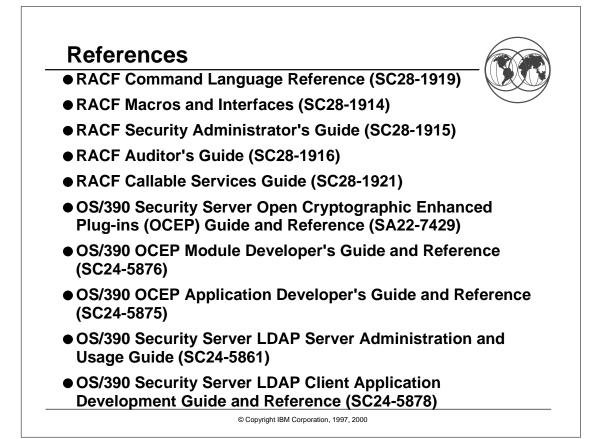


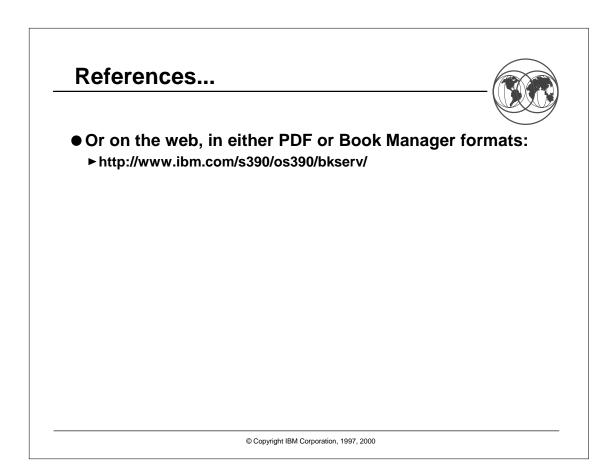


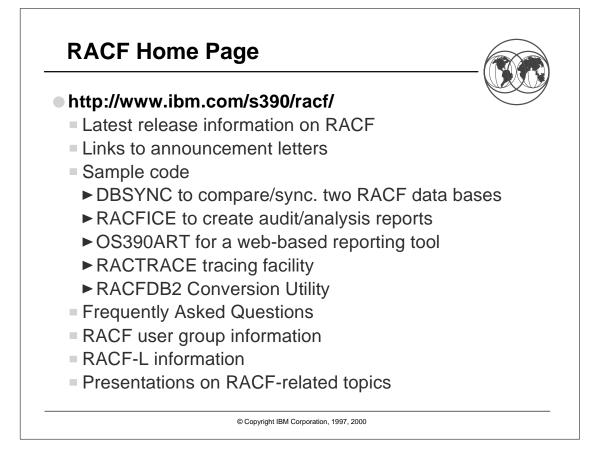


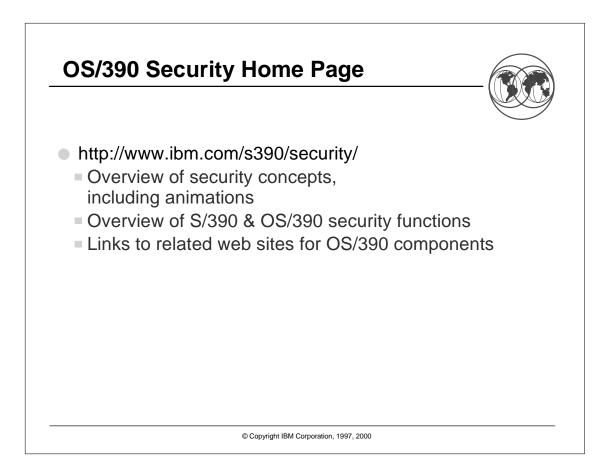


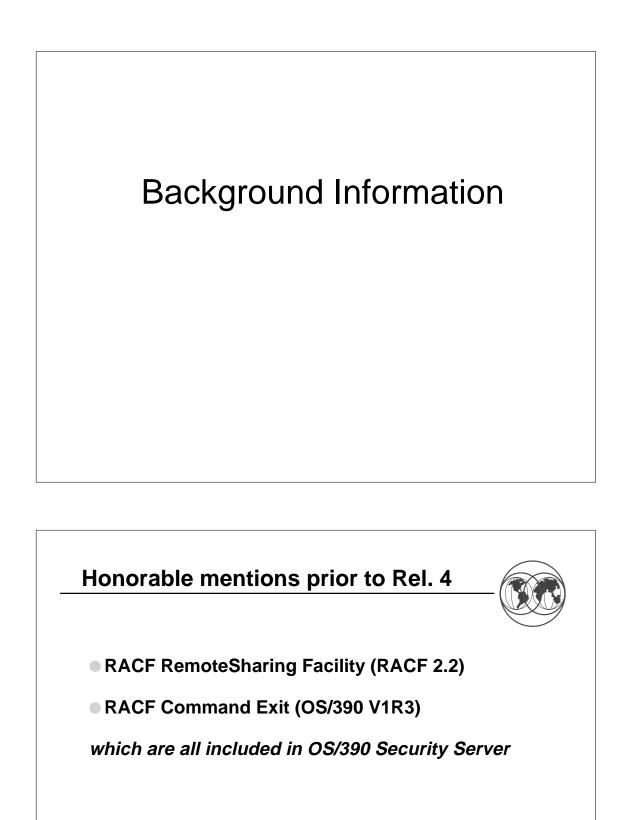




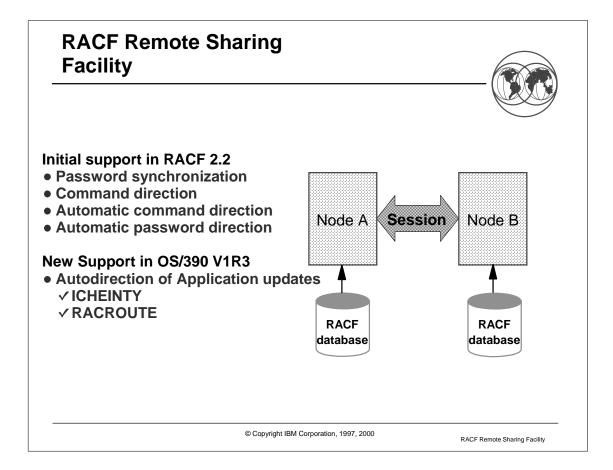


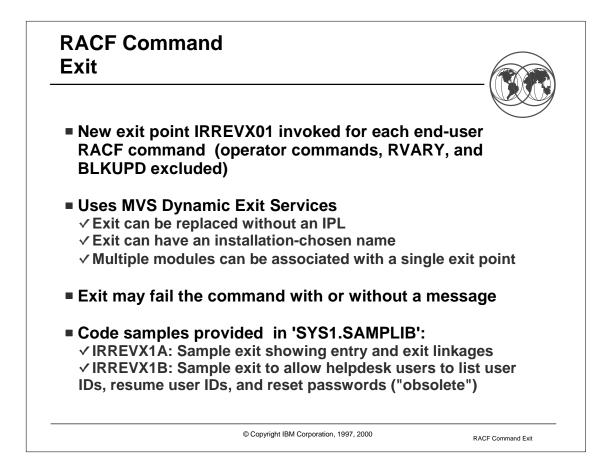


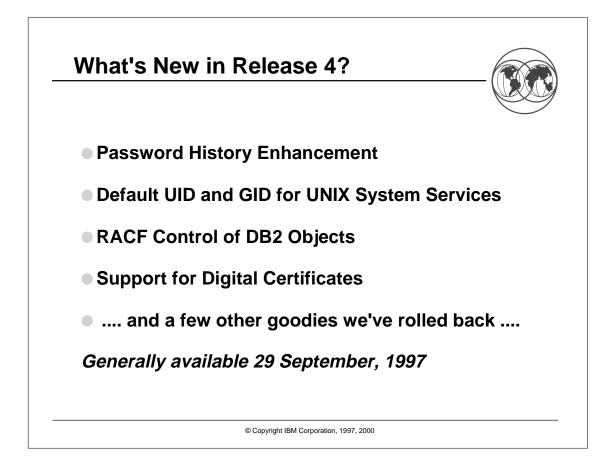


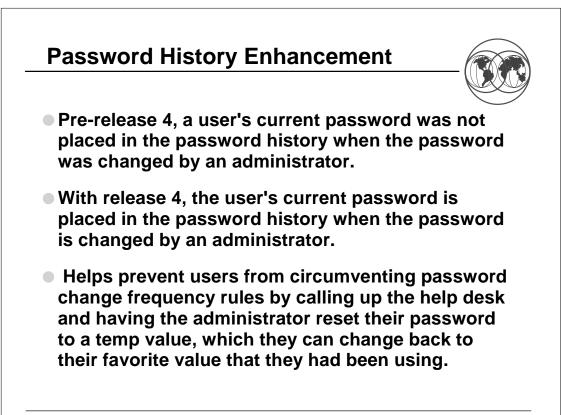


© Copyright IBM Corporation, 1997, 2000

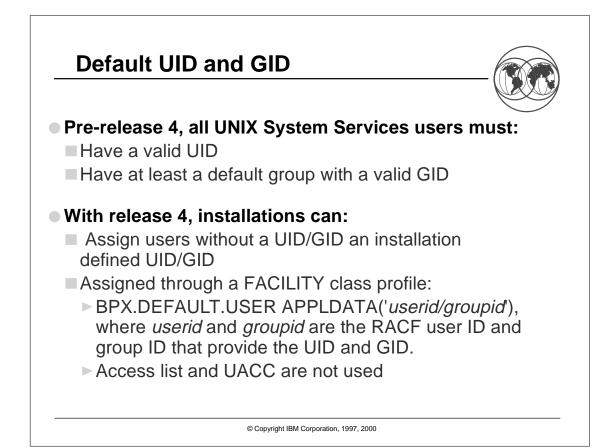


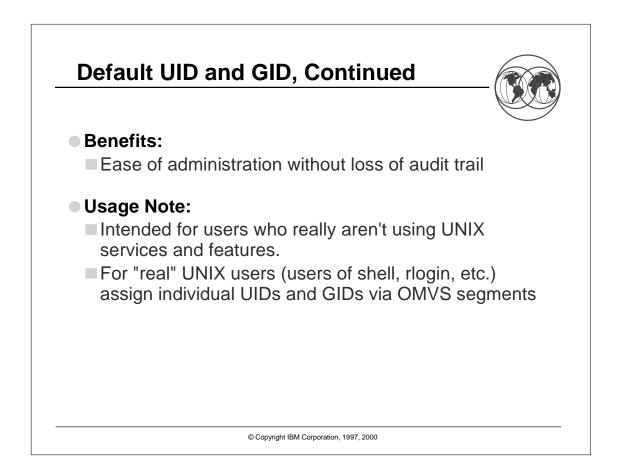


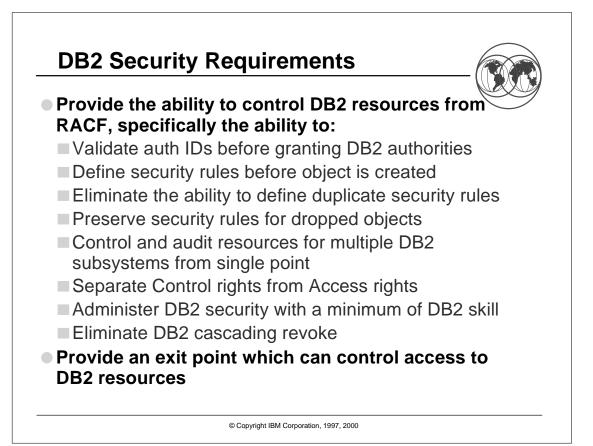


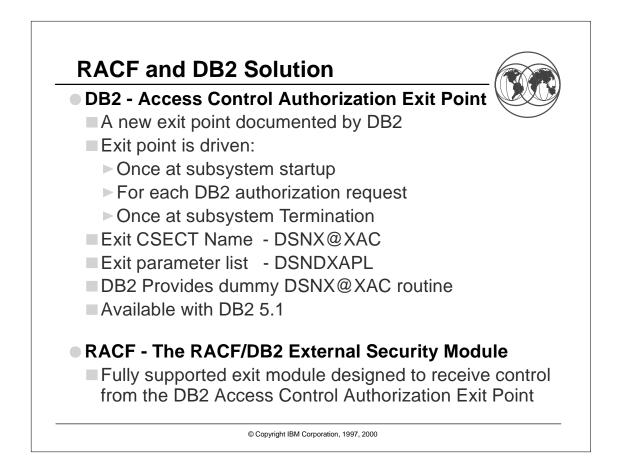


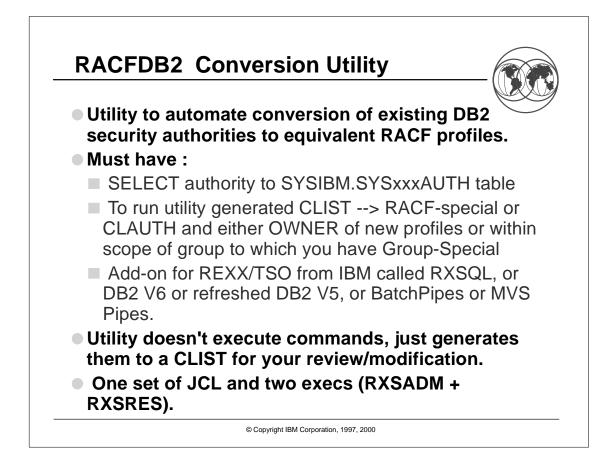
© Copyright IBM Corporation, 1997, 2000

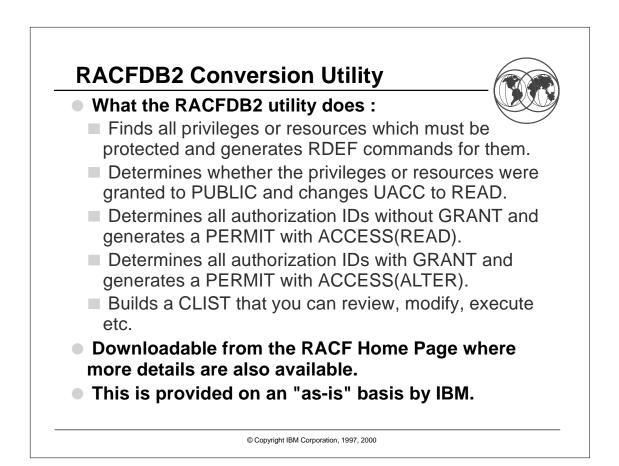


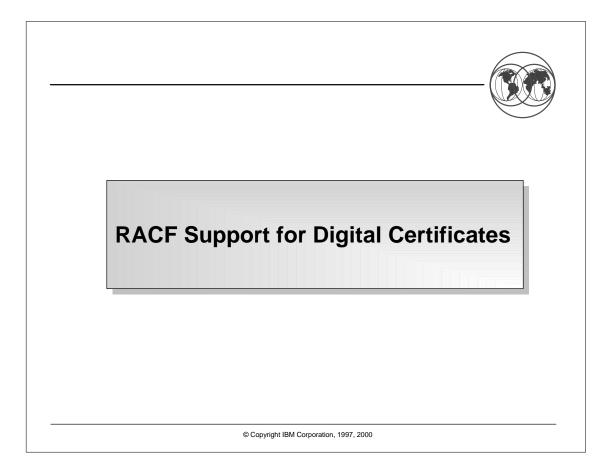


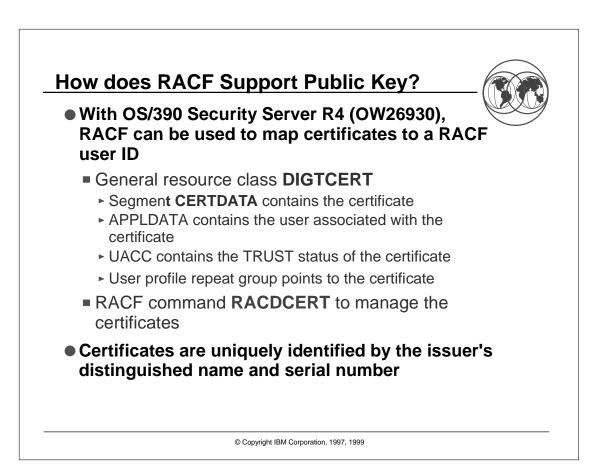




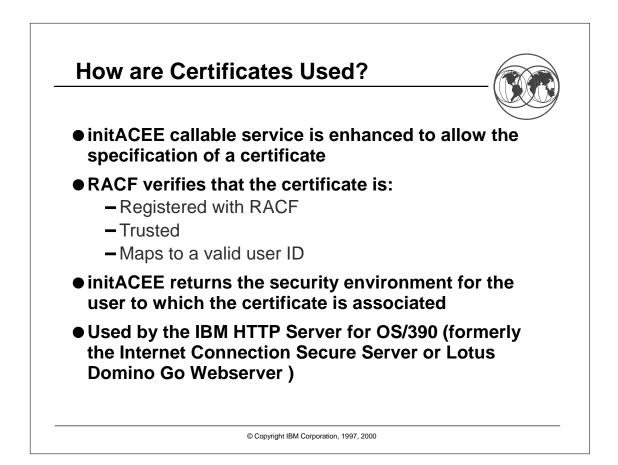


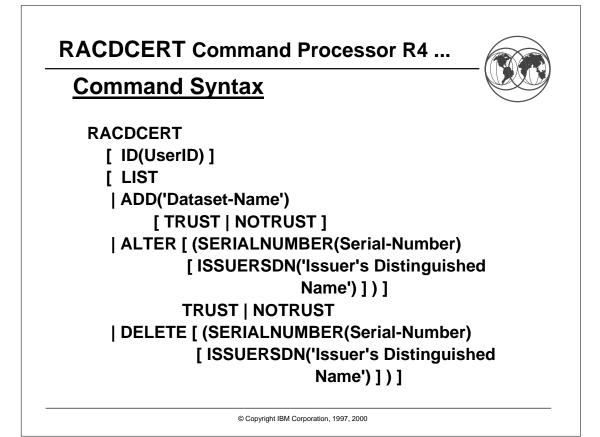


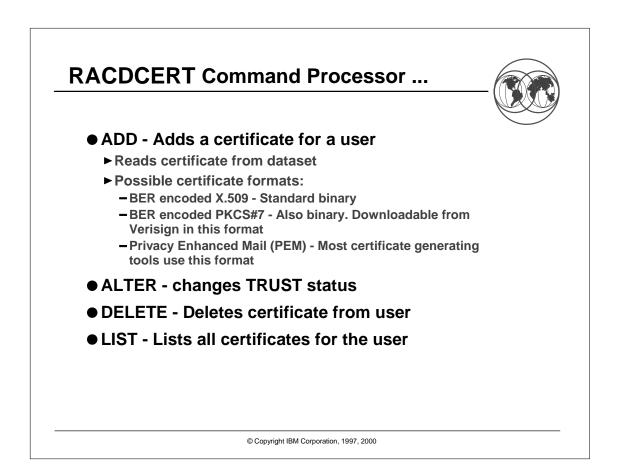


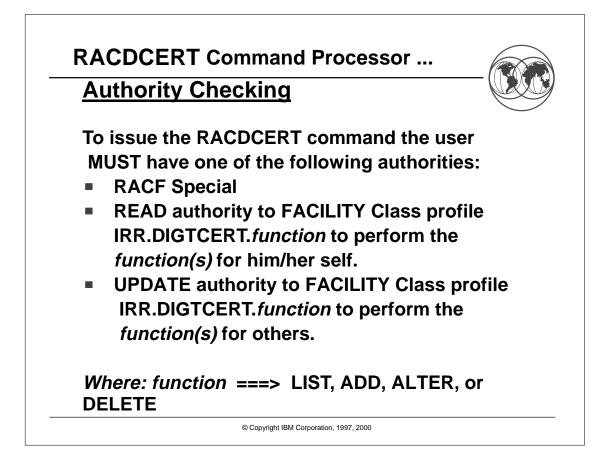












RACDCERT LIST Example -R4

```
Digital certificate information for user IBMUSER:
    Serial Number:
        >41D87A2B05DE6FBD466C2069661E3872<
    Issuer's Name:
        >OU=VeriSign Class 1 CA - Individual
Subscriber.O=VeriSign, Inc..L=Int<
        >ernet<
    Status: NOTRUST
    Subject's Name:
        >sweeny@mhv.net.CN=James Sweeny.OU=Digital ID
Class 1 - Netscape.OU=ww<
        >w.verisign.com/repository/CPS Incorp. by
Ref.,LIAB.LTD(c)96.OU=VeriSi<
        >gn Class 1 CA - Individual
Subscriber.O=VeriSign, Inc..L=Internet<</pre>
```

© Copyright IBM Corporation, 1997, 2000

New Self Registration support for Digital Certificates



- APAR OW31933 introduces a new function to register and deregister a digital certificate via the initACEE callable service
- APAR OW33091 introduces a new syscall BPX1SEC to allow for register/deregister a certificate. It also provides a REXX interface CERT into the callable service.

SYS1.SAMPLIB members contain more information:

- ✓ RACINSTL REXX procedure and Webpages for self registration.
- ✓ IRR31933 Additional information

□ Self Registration Process:

- ✓ Configure SSL, Sample Webpage, and REXX on OS/390 DGW
- ✓ Request and Install Client certificate, (in browser)
- ✓ User initiates an SSL session with OS/390 DGW
- ✓ Registration steps authenticate user via RACF userid/password

© Copyright IBM Corporation, 1997, 2000

Self Registration for Digital Certificates



