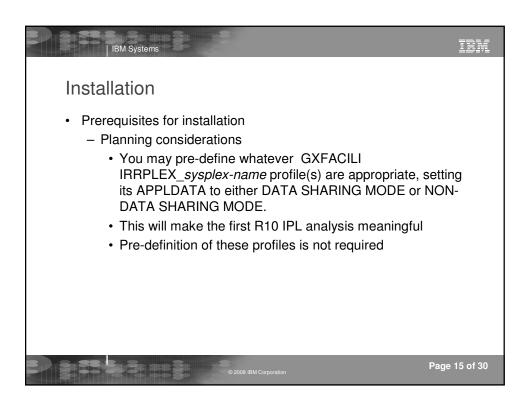
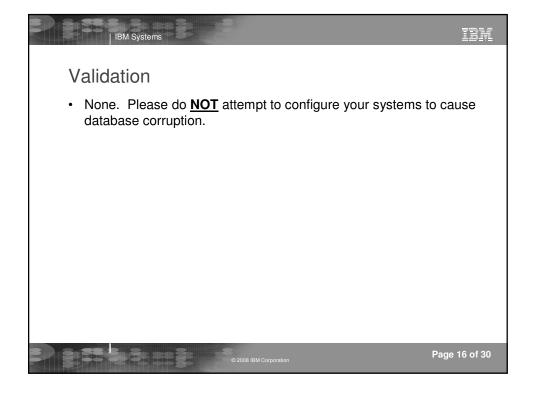


IDM Migration & Coexistence Considerations · No migration considerations z/OS R10 systems may share RACF databases with lower level systems. An environment in which some systems have the new support, and some do not, does not make the risk of corruption greater than that currently being experienced within an environment which had no systems with the new support. RVARY DATASHARE and RVARY NODATASHARE if done from a down level system, will not update the GXFACILI IRRPLEX_sysplex-name profile's APPLDATA. ❖ These commands should be done from an uplevel system to keep the APPLDATA current. Page 14 of 30





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Session Summary

- If you share your database correctly, then this support is be transparent.
- If analysis detects a corruption scenario, with either the primary or the backup database during IPL or RVARY ACTIVE the operator will be prompted
 - if primary = backup, and you CONTINUE on the primary, you will likely see the same message for the backup
- If analysis detects a corruption scenario, with either the primary or the backup database during RVARY DATASHARE, the command will not proceed.
- · Any Questions?

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Appendix A

z/OS Security Server RACF Messages and Codes SA22-7686-11
 SA22-7681-10. Has updates for the new initialization messages:
 ICH584I, ICH585I, ICH586A, ICH587A, ICH588A, ICH589A, ICH590A, ICH591A, ICH596I, ICH597I, ICH599I, ICH600A

Has updates for the new RVARY messages: ICH15031I, ICH15032I, ICH15033A, ICH15034A, ICH15037I, ICH15038I, ICH15040A, ICH15041I, ICH15042A

z/OS Security Server RACF Systems Programmer's Guide
 Has updates in the Operating Considerations chapter, sysplex considerations, sharing a database, guarding against data corruption resulting from incorrect database sharing

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Appendix B Initialization Messages ICH584I ICHEINTY TYPE ERROR AGAINST PROFILE PROFILE IN CLASS CLASS ON THE DATABASE WITH MASTER DATA SET DSNAME ON VOLUME VOLSER. HEX RC=RC, AND REASON=REASON ICH585I RACDEF DEFINE ERROR AGAINST PROFILE PROFILE IN CLASS CLASS ON THE DATABASE WITH MASTER DATA SET

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DSNAME ON VOLUME VOLSER. HEX RC=RC AND

REASON=REASON

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IDM Appendix B Initialization Messages ICH586A IF ANY SYSTEM IS USING THE DATABASE WITH MASTER DATA SET *DSNAME* ON VOLUME *VOLSER* IN DATA SHARING MODE, AND ANY OTHER SYSTEM CONCURRENTLY USES IT IN NON-DATA SHARING MODE, DATABASE CORRUPTION WILL RESULT. PROFILE PROFILE-NAME IN CLASS **CLASS INDICATES THAT THIS DATABASE WAS LAST USED IN** DATA SHARING MODE, BUT IT IS NOW TO BE USED IN NON-DATA SHARING MODE. IF THE DATABASE IS NOT BEING USED BY ANOTHER SYSTEM IN DATA SHARING MODE, SPECIFY 'CONTINUE'. OTHERWISE SPECIFY 'FAILSOFT' AND THE SYSTEM **WILL ENTER FAILSOFT MODE** Issued when IPLing into non-data sharing mode, and any GXFACILI IRRPLEX_sysplex-name profile indicates data sharing mode. Page 20 of 30



Appendix B Initialization Messages

- ICH587A THE RACF DATABASE WAS CHOSEN TO BE PROTECTED FROM CORRUPTION. NOW ENTERING FAILSOFT MODE.
- ICH588A CONTINUED USE OF DATABASE DSNAME ON VOLUME VOLSER CAN RESULT IN DATABASE CORRUPTION AND SYSTEM OUTAGE. IF ANY SYSTEM IS USING THE DATABASE IN DATA SHARING MODE, AND ANY OTHER SYSTEM CONCURRENTLY USES IT IN NON-DATA SHARING MODE, DATABASE CORRUPTION WILL RESULT. YOU ARE INITIALIZING INTO DATA SHARING MODE. PROFILE IRPLEX_SYSPLEX-NAME, IN CLASS CLASS INDICATES NON-DATA SHARING MODE. IF THE DATABASE IS NOT BEING USED BY SYSTEMS OUTSIDE OF THIS SYSPLEX AND IS NOT BEING USED BY SYSTEMS IN THIS SYSPLEX IN NON-DATA SHARING MODE, THEN SPECIFY 'CONTINUE'. OTHERWISE SPECIFY 'NODATASHARE' AND THE SYSTEM WILL INITIALIZE IN NON-DATA SHARING MODE.

Issued when IPLing into data sharing mode, it is the 1st system to enter RACF sysplex communication, at least one IRRPLEX_ profile is found and no IRRPLEX_ profile indicates data sharing mode

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Appendix B Initialization Messages

ICH589A CONTINUED USE OF DATABASE DSNAME ON VOLUME VOLSER CAN RESULT IN DATABASE CORRUPTION AND SYSTEM OUTAGE. IF ANY SYSTEM IS USING THE DATABASE IN DATA SHARING MODE, AND ANY OTHER SYSTEM CONCURRENTLY USES IT IN NON-DATA SHARING MODE, DATABASE CORRUPTION WILL RESULT. YOU ARE INITIALIZING INTO DATA SHARING MODE. PROFILE IRRPLEX_SYSPLEX-NAME, IN CLASS CLASS INDICATES NON-DATA SHARING MODE. IF THE DATABASE IS NOT BEING USED BY SYSTEMS OUTSIDE OF THIS SYSPLEX AND IS NOT BEING USED BY SYSTEMS IN THIS SYSPLEX IN NON-DATA SHARING MODE, THEN SPECIFY 'CONTINUE'. OTHERWISE SPECIFY 'FAILSOFT' AND THE SYSTEM WILL ENTER FAILSOFT MODE.

Issued when IPLing into data sharing mode, it is <u>NOT</u> the 1st system to enter RACF sysplex communication, at least one IRRPLEX_ profile is found and no IRRPLEX_ profile indicates data sharing mode

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Appendix B Initialization Messages

ICH590A IF SYSTEMS FROM MULTIPLE SYSPLEXES USE THE DATABASE WITH MASTER DATASET DSNAME ON VOLUME **VOLSER IN DATA SHARING MODE, DATABASE CORRUPTION** WILL RESULT. YOU ARE INITIALIZING INTO DATA SHARING MODE AND PROFILE IRRPLEX_SYSPLEX-NAME, IN CLASS **CLASS INDICATES DATA SHARING MODE. IF YOU KNOW THAT** THE DATABASE IS NOT BEING USED BY ANOTHER SYSPLEX THEN SPECIFY CONTINUE. IF THE DATABASE IS INDEED BEING **USED IN DATA SHARING MODE BY ANOTHER SYSPLEX SPECIFY** 'FAILSOFT' AND THE SYSTEM WILL ENTER FAILSOFT MODE. IF THE DATABASE IS BEING USED BY ANOTHER SYSPLEX, BUT IN NON-DATA SHARING MODE SPECIFY 'NODATASHARE' AND THIS SYSTEM WILL INITIALIZE IN NON-DATA SHARING MODE.

Issued when IPLing into data sharing mode, it is the 1st system to enter RACF sysplex communication, profiles for sysplexes besides our own are found, and at least one of them indicates data sharing mode.

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Appendix B Initialization Messages

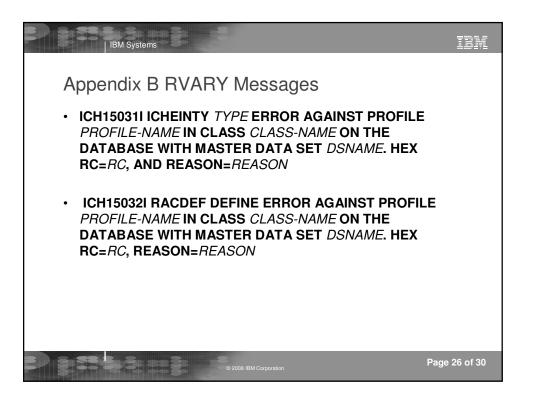
ICH591A IF SYSTEMS FROM MULTIPLE SYSPLEXES USE THE DATABASE WITH MASTER DATASET DSNAME ON VOLUME VOLSER IN DATA SHARING MODE, DATABASE CORRUPTION WILL RESULT. YOU ARE INITIALIZING INTO DATA SHARING MODE AND PROFILE IRRPLEX_SYSPLEX-NAME, IN CLASS CLASS INDICATES DATA SHARING MODE. IF YOU KNOW THAT THE DATABASE IS NOT BEING USED BY ANOTHER SYSPLEX THEN SPECIFY 'CONTINUE'. OTHERWISE SPECIFY 'FAILSOFT' AND THE SYSTEM WILL ENTER FAILSOFT MODE.

Issued when IPLing into data sharing mode, it is NOT the 1st system to enter RACF sysplex communication, profiles for sysplexes besides our own are found, and at least one of them indicates data sharing mode

ICH596I IN CLASS GXFACILI, AN IRRPLEX PROFILE WAS ENCOUNTERED ON THE DATABASE WITH MASTER DATA SET DSNAME ON VOLUME **VOLSER. BUT THE SYSPLEX NAME PORTION OF THE PROFILE NAME** WAS GREATER THAN 8 CHARACTERS. DATABASE SHARING CHECKS HAVE IGNORED PROFILE IRRPLEX SYSPLEX-NAME.

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Appendix B Initialization Messages ICH597I IN CLASS GXFACILI, A PROFILE IRRPLEX_SYSPLEX-NAME WAS ENCOUNTERED ON THE DATABASE WITH MASTER DATA SET DSNAME ON VOLUME VOLSER. ITS APPLDATA IS NOT A RECOGNIZED VALUE. ICH599I THE RESPONSE WAS UNRECOGNIZED. RESPECIFY RESPONSE. ICH600A VALID RESPONSES ARE 'CONTINUE' OR 'NODATASHARE' --or-- VALID RESPONSES ARE 'CONTINUE' OR 'FAILSOFT' --or-- VALID RESPONSES ARE 'CONTINUE', 'FAILSOFT' OR 'NODATASHARE'. This is the WTOR for ICH586A, ICH588A, ICH589A, ICH590A, ICH591A





Appendix B RVARY Messages

• ICH15033A IF ANY SYSTEM IS USING THE DATABASE WITH MASTER DATASET DSNAME IN DATA SHARING MODE, AND ANY OTHER SYSTEM CONCURRENTLY USES IT IN NON-DATA SHARING MODE, DATABASE CORRUPTION WILL RESULT. PROFILE PROFILE-NAME IN CLASS CLASS-NAME INDICATES THAT THIS DATABASE WAS LAST USED IN DATA SHARING MODE, BUT IT IS NOW TO BE USED IN NON-DATA SHARING MODE. IF THE DATABASE IS NOT BEING USED BY ANOTHER SYSTEM IN DATA SHARING MODE, SPECIFY 'CONTINUE'. OTHERWISE SPECIFY 'CANCEL'.

Issued when RVARY ACTIVEing into a non-data sharing mode environment, and <u>any</u> GXFACILI IRRPLEX_sysplex-name profile indicates data sharing mode.

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Appendix B RVARY Messages

• ICH15034A IF SYSTEMS FROM MULTIPLE SYSPLEXES USE THE DATABASE WITH MASTER DATASET DSNAME IN DATA SHARING MODE DATABASE CORRUPTION WILL RESULT. YOU ARE RVARYING INTO A DATA SHARING MODE ENVIRONMENT. OTHER IRRPLEX_ PROFILES EXIST, SUCH AS IRRPLEX_SYSPLEX-NAME IN CLASS CLASS-NAME. IF THE DATABASE IS NOT BEING USED BY ANOTHER SYSPLEX, THEN SPECIFY 'CONTINUE'. OTHERWISE SPECIFY 'CANCEL'.

Issued when RVARY ACTIVEing into a data sharing mode environment, or doing an RVARY DATASHARE, and <u>any GXFACILI IRRPLEX_sysplex-name</u> profile, besides the one for this sysplex, is found.

Note: RVARY DATASHARE trims the last sentence, and no WTOR is issued, the command does not complete.

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Appendix B RVARY Messages

- ICH15037I IN CLASS GXFACILI, AN IRRPLEX PROFILE WAS ENCOUNTERED ON THE DATABASE WITH MASTER DATA SET DSNAME, BUT THE SYSPLEX NAME PORTION OF THE PROFILE NAME WAS GREATER THAN 8 CHARACTERS. DATABASE SHARING CHECKS HAVE IGNORED PROFILE IRRPLEX SYSPLEX-NAME.
- ICH15038I IN CLASS GXFACILI, A PROFILE IRRPLEX_SYSPLEX-NAME WAS ENCOUNTERED ON THE DATABASE WITH MASTER DATA SET DSNAME. ITS APPLDATA IS NOT A RECOGNIZED VALUE.
- ICH15040I THE RESPONSE WAS UNRECOGNIZED. RESPECIFY RESPONSE.

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Appendix B RVARY Messages

- ICH15041A VALID RESPONSES ARE 'CONTINUE' OR 'CANCEL'
 This is the WTOR for ICH15033A, ICH15034A, and ICH15042A
- ICH15042A IF ANY SYSTEM IS USING THE DATABASE WITH MASTER DATA SET DSNAME IN DATA SHARING MODE, AND ANY OTHER SYSTEM CONCURRENTLY USES IT IN NON-DATA SHARING MODE, DATABASE CORRUPTION WILL RESULT. YOU ARE RVARYING INTO A DATA SHARING MODE ENVIRONMENT. PROFILE PROFILE-NAME IN CLASS CLASS-NAME INDICATES THAT THIS DATABASE WAS LAST USED IN NON-DATA SHARING MODE, BUT IT IS NOW TO BE USED IN DATA SHARING MODE. IF THE DATABASE IS BEING USED BY ANOTHER SYSTEM NOT ENABLED FOR RACF SYSPLEX COMMUNICATION SPECIFY 'CANCEL'. OTHERWISE SPECIFY 'CONTINUE'.

Issued when RVARY ACTIVEing into a data sharing mode environment, and the GXFACILI IRRPLEX_sysplex-name profile for this sysplex, is found, and it indicates non-data sharing mode.

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