

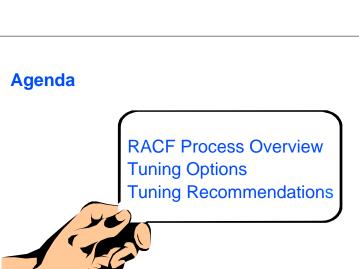
Enterprise Security Expo 2000

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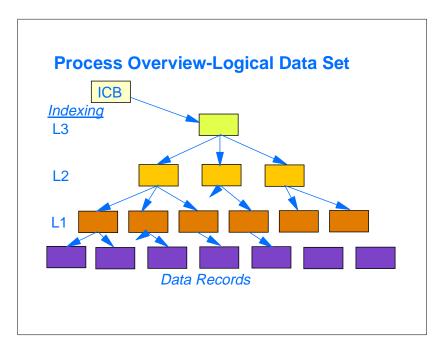
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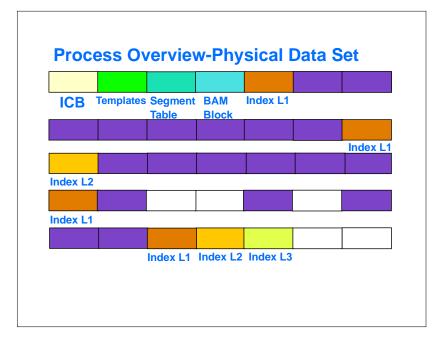
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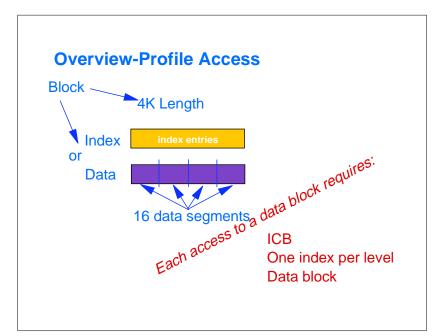
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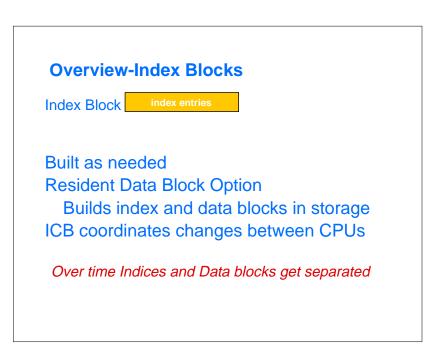
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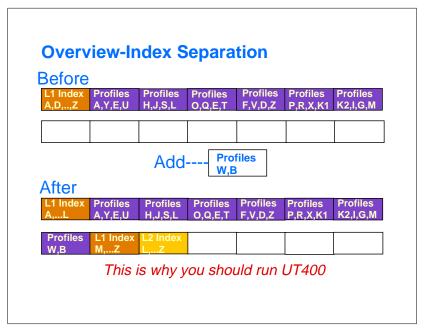
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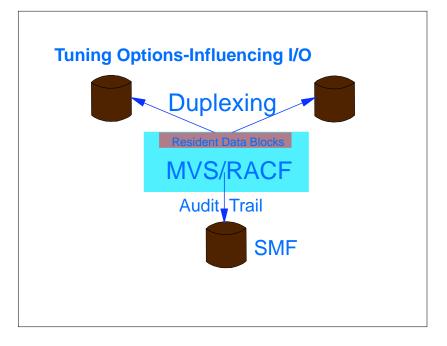


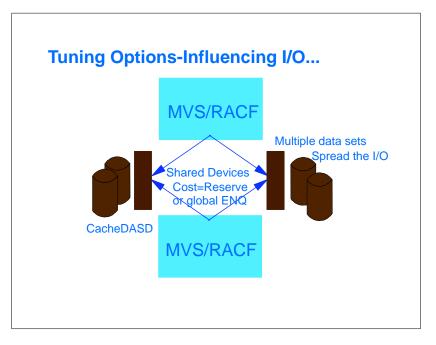


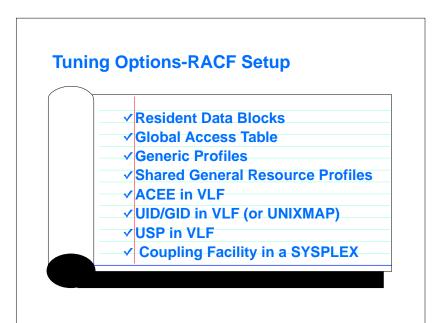


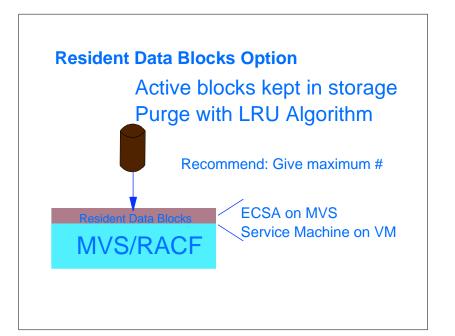


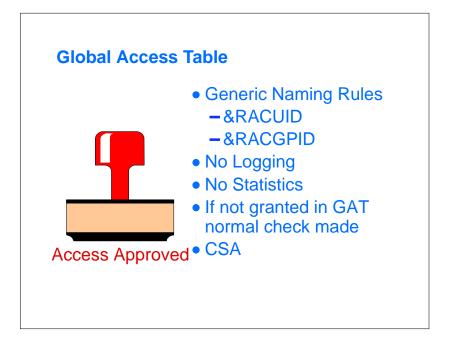


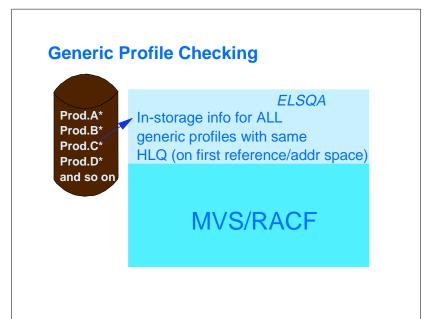






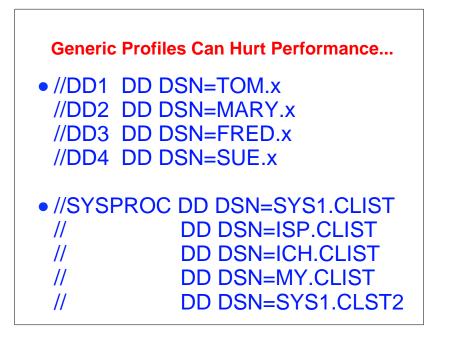






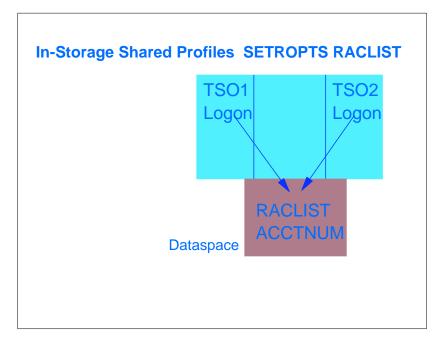
Generic Profiles Can Hurt Performance

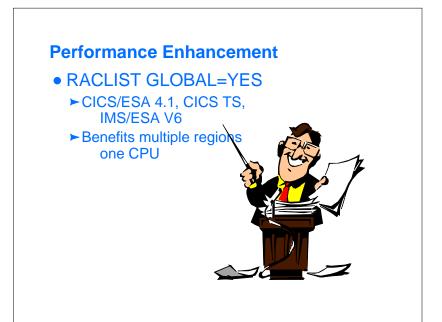
- RACF will load -all- generic names for data set high level qualifier during OPEN
- At most 4 lists per address space
- With a large number of generics the loading can require a lot of I/O and CPU time
- Possible "thrashing"

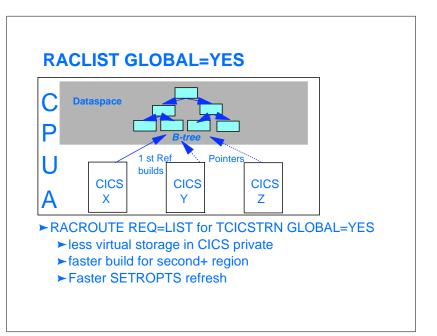


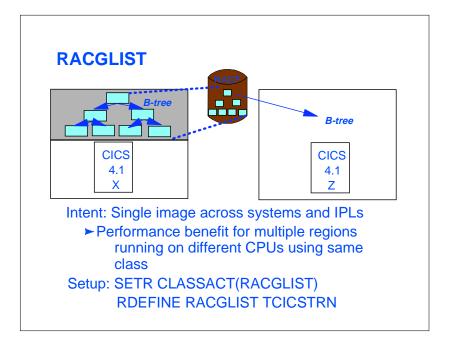
Generic Profiles Can Hurt Performance...

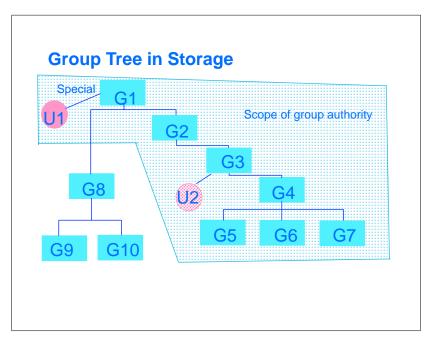
- Avoid Problems:
 - Don't create too many generics
 - Watch out for fully-qualified generics
 - Each generic should ideally protect many data sets
 - Use GLOBAL DATASET for data sets everyone needs to READ





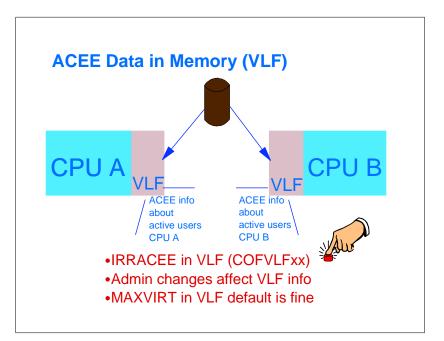


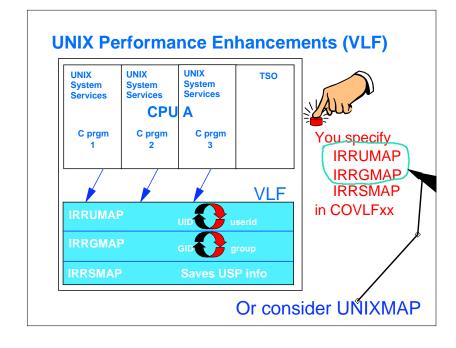




Group Tree in Storage...

- Uses IRRGTS class in VLF (COFVLFxx)
- Saves info about group relationships (superior group, owner) for use by users who have group-SPECIAL, group-OPERATIONS, or group-AUDITOR
- Probably does NOT help most systems
- Can cause performance problems with split RACF data bases
 - → FIN APAR OW37587, fixed after OS/390 V2R9
- Recommendation: Don't use it





UNIX Performance / Usability Enhancements (UNIXMAP)



- Added by APAR OW30858 for OS/390 R3, V2R4
- Profiles map UID or GID to user ID or group name
 - ADDUSER FRED OMVS(UID(12)) creates U12 profile in UNIXMAP class with FRED on access list
 - ADDGROUP GRP2 OMVS(GID(20)) creates G20 profile in UNIXMAP class with GRP2 on access list
- Avoids scanning RACF database if entry not found in IRRUMAP or IRRGMAP (bad entry, or VLF purged by RACF administration)
- Gives consistent "Is -I" output if IRRUMAP and IRRGMAP not active
- See SYS1.SAMPLIB(IRR30858) to "prime" class

