

System Catalogs: How to Clean Up a Database...

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Agenda

- Problem description
- Ways to work around problem
- Ways to avoid problem



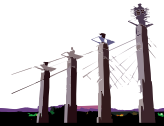
3 Best Ways to Fix Corruption

- Restore from an archive
- Restore from an archive
- Restore from an archive



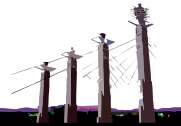
Problem Description

- System catalog corruption can be caused by many things.
- When system catalogs are corrupted among other things, dba/users cannot create databases, access user tables, modify tables, etc.



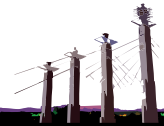
Bad Pages

- Within system tables
- Within user tables



Causes of System Catalog Corruption

- Hardware issues
- Hard crashes
- Overwriting Chunks



Scope of Problem

- Single Table
- Multiple Tables
- Single Database
- Multiple Databases



Methods to work around corruption

- Call IBM
- Restore
- IDS utilities (oncheck)
- Unload around corruption



Call IBM – Informix Technical Support

- Dial – In
- Recommend Restore



Restore Options

- Archecker (restore a single table)
- Onbar (Point In Time)
- Ontape



Using oncheck

- -ce (check extents)
- -cc (check catalogs)
- -cID (check Index(es) and Data)
- -cr (check reserve pages)



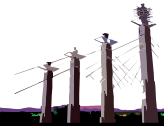
Unload

- Good precaution (allows getting back to starting point)
- Safest option

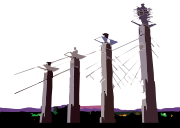


Avoiding Problems

- Good Naming Conventions
- Frequent Archives
- Logical Log backups



Questions??



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