

# z/OS V1R13

## PKI Services: Support larger CRL's

### Session objectives

- Digital certificates usage has been growing
- Continuous enhancements to fulfill customer requirements
- Two main components on certificate support:
  - RACF: RACDCERT command and the R\_datalib callable service
  - PKI Services
- At the end of this presentation, you should have an understanding of the support from:
  - PKI Services:
    - Larger Certificate Revocation List (CRL) support

### Overview

- **Problem Statement / Need Addressed**
  - When LDAP posting is enabled, PKI Services temporarily stores CRLs in its Object Store VSAM dataset as a posting object. Since VSAM records have a limit of 32K limit, CRLs stored in the VSAM posting object are subject to this limit too.
- **Solution**
  - PKI Services is enhanced to support large CRLs by temporarily storing CRLs for posting to LDAP in the HFS or zFS file system instead of in a VSAM posting object. The LDAP CRL posting task will read the CRLs from the HFS instead of from the VSAM dataset.
- **Benefit / Value**
  - Usually it is better to create smaller CRLs to shortened the processing time. But there are some applications that only support a smart number of CRL distribution points, which implies each distribution point needs to store more entries. This support will help the customers of those applications.

### Usage and invocation

- Update 2 new entries in the PKI Services configuration file, pkiserv.conf to enable the large CRL support and indicate the directory to save the CRL, for example:
  - EnableLargeCRLPosting=T
  - LargeCRLPostPath=/var/pkiserv/

### Interactions and dependencies

- Software Dependencies
  - None
- Hardware Dependencies
  - None
- Exploiters
  - PKI Services customers who need a large CRL greater than 32K

### Migration and coexistence considerations

- None

### Installation

- None

### Session summary

- You should now have an understanding of the support from **PKI Services**:
  - Larger Certificate Revocation List (CRL) support

### Appendix - References

- Publication references
  - PKI Services Guide and Reference (SA22-7693)
  - Security Server Command Language Reference (SA22-7687)