



# ***ADSM Administrator***

## *Practical - Seminar*

Practical - Certification - Seminar  
ABC & DB Integration - Seminar  
in Munich

June 15. - 17, 1999  
June 18. 1999

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BAS Backup Archive Solutions  
*'The Network Backup Competence Center'*

## Vital ADSM 'Know-How' for the ABC User !

### What is special with this practical Seminar ?

#### Practical Know-How

Based on ADSM and the IBS™ Intelligent Backup Server Technology, the participants gain the following practical Know-How:

Integration of Backup/Restore functions in an Enterprise-wide C/S-concept (including the newest version of the Archive Backup Client for OpenVMS - ABC)

**The Seminar has 3 modules:**

#### Module 1 / Day 1

*Technical & ADSM Overview*

#### Module 2 / Day 2-3

*Implementation & Administration*

#### Module 3 / Day 4

*ABC Advanced topics & Database Integration*

**Each module can be booked separately. See enrolment sheet.**

### Audience

#### Technical ADSM Overview

An overview of the Planning, Design & Implementation phases of a Backup/Restore project as well as the main functionalities of ADSM as an example of a 'state-of-the-art' technology are covered.

This first day module is also intended for managers & decision makers.

#### Administration, Implementation & Database Integration

Are technical in-depth modules of the seminar. This enables Power-Users to become Administrators of an ADSM server through understanding its capabilities. It is also intended for the Power-Users who need to understand ADSM Server operations, so they can best plan for their departments Clients Systems connection & integration to an enterprise ADSM Server. The database-integration training module, extend these capabilities.

### ADSM

### AdStar Distrinuted Storage Manager

#### Day 1 - Theory: ADSM Overview

Basic ADSM and Backup/Restore definitions & functionalities are covered  
The most important one's are:

- Backup Engine Database
- Storage Pools,
- Policies and
- ADSM Server Functions

#### Day 2 and 3 - Practice with Theory

Using the Command Line (CLI) as well as the WebShell-Interface, ADSM User and Administrator operations are practically exercised

#### ADSM Server Installation

On the following plattform: WNT and AIX

#### ADSM Server Configuration

- Review of the Server Options Files
- Using the CLI as well as the WebShell-Interface and the ADSM Utilities

#### Storage Pools

- Definitions / Updating of Storage Pools
- Migration of Storage Pools

#### Database and Recovery Log

Enlarging, mirroring and securing this central and critical component.

#### Policy Domains

Definitions and working with Policy Domains

#### Administrators

Different types of administrators and Users are implemented in ADSM

#### ADSM Client

- Installation and setup are done on the following Plattform: WNT and/or AIX
- Client Options und Client Options Sets are rehearsed and implemented
- Doing Backups and Restores using different types of User-Interfaces

#### ADSM Scheduling

- Polling vs. Prompted
- Implementing Client Schedules and Administrativen Schedules
- Pre- und Post-Processing issues are discussed in detail.

#### ADSM Devices

Working with Tapes, Drives and Libraries are practiced using a DLT-Library

## Database-Integration using ORACLE and ABC

### ABC Archive Backup Client

The OpenVMS Client for ADSM is called the Archive Backup Client (ABC). BAS Backup Archive Solutions GmbH has developed this special seminar to enable the Users to successfully implement ABC in a full production environment. Beside the theoretical Know-How transfer, the seminar contains demo's, practical exercises and a detailed Q&A consulting type session.

### The Topics

#### Implementing ABC

- Backup vs. Archive
- Full Incremental vs. Partial Incremental

#### Files/Data Administration

- ADSM Policies and Mgmt Classes
- Backup Concepts

#### Integration

ABC in existing Backup-Solutions:

- Procedures:  
Influence of BACKUP Qualifiers like:  
/RECORD /SINCE /VERIFY /IGNORE
- Products:  
For ex. SLS/PAB/ABS from DIGITAL

#### Restoring Data from:

- System Disk
- System-Directory
- System-Files
- One User /Application-Disk,  
User-Directories, Single Files
- Authorising other users, so they are enabled to restore your files.

#### Practical issues

Things you always wanted to have:

- The real UNDELETE command
- User Save / Restore
- Archiving

#### Technical

How is ABC dealing with OpenVMS File-System properties:

- New Files / Changed Files
- Open Files
- Alias-Files
- Bound volume sets
- Multiple File Headers
- ACL's / ACE's Information

#### Performance

Generic issues around ADSM as well as special issues around ABC.

Which ABC settings have which influence on performance ?

### Database Integration in ADSM using ABC

Based on an Oracle Database on the OpenVMS Platform and ABC, the participants learn how Database-Instances can be backed-up and successfully restored.

It will be outlined how a complete Oracle-Instance is restored, how all Files of a specified Oracle-Instance of a particular physical disk is restored, as well as Single-Files from a specified Instance.

Working with intelligent File-Catalogues and simplifying tasks of finding Single Files.

Following scenarios are discussed in detail:

- Full online (,hot') Database Backup
- Full offline (,cold') Database Backup
- Full Database Restore
- Backup of redo logs
- Multiple Files on multiple devices parallel Restore.
- Point-in-Time Restore
- Single Table Restore

