



SEP sesam Data Protection

SEP sesam Software, the technology leader in cross-platform data backup, data restores and disaster recovery delivers in 'Real Time' with its newest online / hot backup utility for Ingres Database environments.

SEP sesam – Simple, Reliable, Better. We provide standardized, high performance data availability solutions for Professional IT environments of all sizes. SEP sesam and its associated products deliver seamless solutions for backup requirements – data security, data restores, disaster recovery, and encryption. Data backup has never been so easy.

SEP sesam delivers full support of Linux, Windows, Novell, Macintosh operating systems and the most varied Unix environments. SEP sesam is not just the best product for all these applications but the only solution that fits the requirements of the most demanding users in heterogeneous arenas.

Standard Features

- Flexible Backup and Restore
- Disaster Recovery
- Intuitive, easy to use Graphical User Interface
- Cost savings using Central Administration Tools via LAN/WAN
- Parallel Backup Streams using SEP sesam Multiplex Technology
- Encryption of Datastreams and Backed up Data (Blowfish & AES256)
- Flexible Media Handling: Data can be stored on tapes, hard drives, remote disks located in NAS, SAN or WAN environments
- Disk to Disk to Tape (D2D2T) Backup
- English Support
- Backup, Restore & Disaster Recovery for Virtual Computers

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Ingres Online / Hot DB Backup

Ingres Online / Hot Database Backup Module

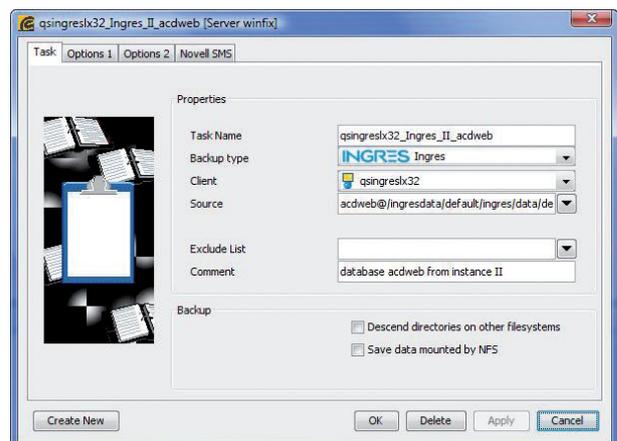
Our SEP sesam Ingres Database Online / Hot Backup Module has been developed and designed for optimal performance for Ingres users. SEP design engineers worked tirelessly to fulfill the demanding requirements set by Ingres' technical personnel and their user community. Requirements set for data availability, reliability and data security have been, according to Ingres, either met or exceeded!

The new product makes online / hot database backups for Ingres DB's a reality. Interrupt free backup and interrupt free restore is now possible while the data base is running (hot).

The new product solution from SEP sesam version 3.6 delivers the only Ingres certified hot backup solution for Ingres DBMS 9.2 & 9.3.

SEP sesam Server backup utilities combined with the functionality of the Ingres database to allow the support of many backup methods. Central administration of large IT infrastructure and backup scenarios are now possible. All of SEP sesam's award winning features for system monitoring and management, including the Graphical User Interface (GUI), can be integrated and used during any backup, restore or disaster recovery operation.

By implementing a centralized backup procedure the user no longer needs additional resources (e.g. additional remote disk drives, expanded disk capacity, planning) - a positive effect lowering operating cost and time invested simplifying both deployment and maintenance.



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Global Storage Management

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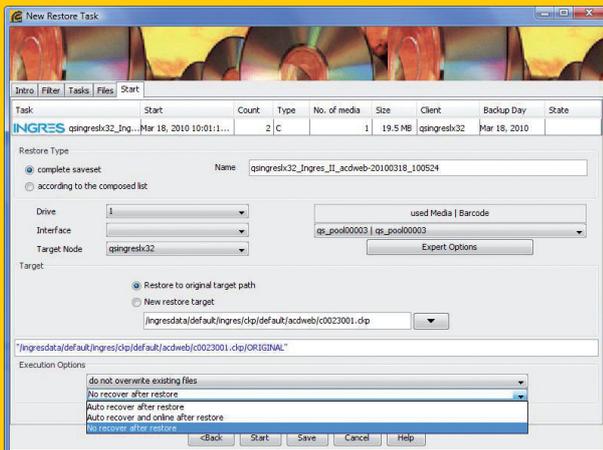
Ingres Online / Hot DB Backup



Features

The easy to use and intuitive SEP sesam GUI offers the following backup options:

- Online / Hot Backup: Databases are still available during the backup procedure
- Additional safeguards options have been developed for administrative checkpoints during a full backup
- Offers a dedicated Checkpoint Backup
- Multiple Restore Options, e.g. Autorecovery, Point in Time Recovery, Checkpoint-Level
- Disaster Recovery Funktionalität for Ingres Database Servers
- Ingres Certified procedures for Restore of Single Objects (Email, Contacts, Calender Events, Notes)
- Point in Time Recovery and Disaster Recovery
- Certified for Ingres DBMS 9.2 und 9.3



Overview of Supported Operating Systems Running Ingres

Operating Sytem	Ingres 9.2 & 9.3
SLES 9	i386, x86-64
SLES 10	i386, x86-64
RHEL 4	i386
RHEL 5	i386, x86-64
Etch	i386
Lenny	i386, x86-64

(Further O/S can be supported upon request)



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