



**New Features Summary**

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**Replication Server<sup>®</sup> Data  
Assurance Option 15.7.1**

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# Contents

## **New Features in Replication Server Data Assurance**

|  |          |
|--|----------|
| <b>Option 15.7.1</b> .....             | <b>1</b> |
| Changes to Upgrade Procedure .....     | 1        |
| Password Changes .....                 | 1        |
| Password Encryption During Login ..... | 1        |
| Password Recovery .....                | 1        |
| Password Policy .....                  | 2        |
| LDAP Authentication .....              | 3        |
| SSL Support .....                      | 3        |
| Audit Trace Level .....                | 3        |

# Contents

# New Features in Replication Server Data Assurance Option 15.7.1

Replication Server® Data Assurance Option 15.7.1 includes new security features that enable encrypted login, password recovery, Lightweight Directory Access Protocol (LDAP) authentication, and Secure Sockets Layer (SSL) support.

## Changes to Upgrade Procedure

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The installer for Replication Server Data Assurance Option 15.7.1 overwrites most of the existing files from an earlier installation, except previously chosen Data Assurance administrator (da\_admin) or Data Assurance System Database (DASD) administrator (dba) passwords files.

See *Overwriting a Previous Installation* in the *Replication Server Data Assurance Option Installation Guide*.

## Password Changes

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Replication Server Data Assurance Option 15.7.1 introduces password encryption during login and the ability to recover the da\_admin password and configure the password length.

### Password Encryption During Login

Replication Server Data Assurance Option 15.7.1 can be configured to accept encrypted passwords during login to the DA server or DA agent.

- The command line tool (CLT) uses the `-x` option in `isql` to encrypt passwords before sending them across the network.  
Use the new `clt_password_encryption_reqd` parameter to specify the level of password encryption.
- Sybase Control Center for Data Assurance always encrypts the DA Administrator password.

See *config* in the *Replication Server Data Assurance Option Users Guide*.

### Password Recovery

Replication Server Data Assurance Option 15.7.1 allows you to recover the da\_admin password for DA server or DA agent.

To recover the da\_admin password:

## New Features in Replication Server Data Assurance Option 15.7.1

- Start DA server.
  - On Windows 32-bit:  
`%SYBASE%\DA-15_5\server\instance\RUN_instance_32.bat -P`
  - On Windows 64-bit:  
`%SYBASE%\DA-15_5\server\instance\RUN_instance_64.bat -P`
  - On Unix 64-bit:  
`$(SYBASE)/DA-15_5/server/instance/RUN_instance_64.sh -P`
- Start DA agent.
  - On Windows 32-bit:  
`%SYBASE%\DA-15_5\agent\instance\RUN_instance_32.bat -P`
  - On Windows 64-bit:  
`%SYBASE%\DA-15_5\agent\instance\RUN_instance_64.bat -P`
  - On UNIX 64-bit:  
`$(SYBASE)/DA-15_5/agent/instance/RUN_instance_64.sh -P`

where **-P** is the password recovery start-up parameter and **instance** is the name of your DA server or DA agent.

On start-up, the DA server or the DA agent generates a new `da_admin` password, which is written to the DA server or DA agent log file found either at:

```
$(SYBASE)/DA_15-5/server/instance/log/da_0.log
```

or

```
$(SYBASE)/DA_15-5/agent/instance/log/da_0.log
```

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**Note:** Sybase strongly recommends that the DA administrator change the generated password as soon as possible.

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See *Resetting a Lost or Forgotten Password* in the *Replication Server Data Assurance Option Users Guide*.

## **Password Policy**

Replication Server Data Assurance Option 15.7.1 allows you to configure the password length for `da_admin`, thereby giving you the flexibility to change it if required.

The default values are:

- minimum: 6 characters.
- maximum: 30 characters

See *Password Policy* in the *Replication Server Data Assurance Option Users Guide*.

## LDAP Authentication

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Replication Server Data Assurance Option 15.7.1 includes support for LDAP authentication and the ability to bind LDAP users to the DA administrator role.

The new **role** command allows you to bind an LDAP user to the DA administrator role.

See *LDAP Authentication* and *role* in the *Replication Server Data Assurance Option Users Guide*.

## SSL Support

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Replication Server Data Assurance Option 15.7.1 includes Secure Sockets Layer (SSL) support. SSL is the standard for securing the transmission of sensitive information, such as credit card numbers and stock trades, over the Internet and other Transmission Control Protocol and Internet Protocol (TCP/IP) networks.

The communications that can be encrypted using SSL are:

- Sybase Control Center Data Assurance plug-in client communication with DA server over remote method invocation (RMI).
- DA server communication with remote DA agents over RMI.
- DA agent communication with DA server through its data transfer stream (DTS).

The new **sslconfig** command allows you to set the DA server and DA agent SSL configuration parameters for the RMI and DTS protocols.

See *SSL Security* and *sslconfig* in the *Replication Server Data Assurance Option Users Guide*.

## Audit Trace Level

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Replication Server Data Assurance Option 15.7.1 allows you to set the audit trace level for important system messages.

When you set audit trace level to **ALL** with the **trace** command, new system messages are written to the DA log file when you change the DA system configuration, SSL configuration, role membership, or the da\_admin password.

See *trace* in the *Replication Server Data Assurance Option Users Guide*.

## New Features in Replication Server Data Assurance Option 15.7.1