



R-1 3.4 Release Notes October 2004

The R-1 3.4 release is of significant value to Users with larger deployments under management and for those with higher security requirements. This release demonstrates RepliWeb's increased visibility with Large Enterprise and Government Users who operate in more demanding, complex production environments. R-1 3.4 is engineered to streamline operations and improve performance in RepliWeb enabled environments.

1. New Features

1.1. SSL

With security of paramount importance to our Users and RepliWeb being installed in more B2B environments where data is exchanged between business partners over WAN links, R-1 now fully supports SSL communication between Console : Center and Center : Edge during any replication or distribution process.

SSL support includes Authentication and Encryption of all internal communication between the various components. Further, R-1 now fully supports Corporate Certificates via a simple GUI interface.

1.2. New Filter

As the complexity, size and type of the content under management expands in a typical R-1 deployment, the need for content filtering becomes more important. The 3.4 releases includes a new R-1 File Specification mechanism for both Include and Exclude. With this feature, Users can specify multiple Include and Exclude filters within the same distribution job. Each filter consists of two parts – the **non-recursive** part, and the **recursive** part; this enables specifying complex filters for various production needs.

1.3. Propagate Settings

A core mission of RepliWeb is to improve the way in which our Users manage expanding topologies. In our efforts to streamline the management of larger distribution jobs, we've enhanced the RepliWeb Enterprise Manager to include the Propagate all feature. This Management features allows Users to define settings on one Server and propagate them to other Servers on their network.

Users can specify which settings will be propagated to what servers, saving the need to redefine the same settings on all hosts. This feature is very powerful

especially for settings like Rules and User Definition, Scheduler configuration settings, and may be used also for spreading Templates and Containers.

2. Enhancements

2.1. New GUI order

Based on valuable customer feedback R-1 3.4 introduces a new and improved Console GUI. Certain Property Tabs were consolidate or regrouped for logical ease of use.

2.2. UDL

Due to the robustness and scalability of R-1, RepliWeb Users are integrating R-1 with many third-party and internally develop Enterprise Applications. These applications need to efficiently hand of a list of files (content), which in turn need to be deployed to production. In order to help streamline this process RepliWeb has made significant enhancements to its User Defined List (UDL).

This powerful feature allows Users to externally specify which files are to be included in the Replication process. The new UDL format is now identical to the Include File Specification format, meaning, any file specification can be used (using non-recursive and recursive parts) to maximize effectiveness and ease of use. The UDL can be used in any Replication, Distribution and Continuous Update job.

- 2.3. **Center Management** – The Center Manage option was enhanced to enable administrative tasks are to be used on the Center or Edge prior to R-1 upgrades, or before other general maintenance activities that require the administrator to stop all processes on the servers. Administrators can put all jobs on hold and prevent new processes from running on the Center until all maintenance activities are complete.
- 2.4. **Distribution Subset File** – The definition of a Distribution job includes a list of Edges. An external text file can be used, that will be read at run time when the Distribution job starts to run. The list in this file defines the Edges to distribute to for the current run. If the file does not exist – the distribution will be to all Edges specified in the Job Definition.
- 2.5. **Authorized Users / Groups** – Security and user context enhancement, allows IT administrators to specify Users and Groups of users who may see the job.
- 2.6. **Continuous Update** – was further enhanced with new functionality and bug fixes, including:
 - 2.6.1. **UDL** can be used while running a Continuous Updates job
 - 2.6.2. **Rename** events are now handled more efficiently, the job does not perform Full Synchronization.

2.7. **Network Shared Drive** usage is enhanced:

- Trigger files can now reside on a network share
- Rollback recording data can be located on a network shared drive
- Pre / Post commands can be located and executed from a network shared drive

2.8. **UNIX Links** usage was enhanced to include replication of Links to Directories and Recorded Links can now be recovered during Rollback.

3. Improvements

3.1. Memory

The 3.4 release demonstrates improved Memory utilization. The new release is more efficient and utilizes fewer resources.

3.2. Reports & Messages

Documentation is extremely important for resource allocation, trending and analysis. As such we are providing expanded reporting capabilities and error handling.

3.2.1. **Enhanced Reports** – R-1 reports now contain more detailed information about distributions. The new reporting documents the participating components (Center, Edges), Transfer Engine information, the Operating System and more.

3.2.2. **Error Handling** is further improved to contain more information on the replication process and error messages with specific error causes. Some common errors include reference to online knowledge base.

3.3. Minor resolutions:

- 3.3.1. R-1 can now handle file names with a trailing space
- 3.3.2. Time Zone display in Unix was improved
- 3.3.3. XML format issues were handled
- 3.3.4. Corrupted snapshots in recovery issue was resolved

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For any additional information, contact support@repliweb.com

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