

ROSS

RepliWeb Operations Suite for SharePoint®

Process Guide

Software Version v2.5

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RepliWeb, Inc., 6441 Lyons Road, Coconut Creek, FL 33073
Tel: (954) 946-2274, Fax: (954) 337-6424
E-mail: info@repliweb.com, Support: <http://support.repliweb.com>

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Please direct correspondence or inquiries to:

RepliWeb, Inc.
6441 Lyons Road
Coconut Creek, Florida 33073
USA

Telephone: (954) 946-2274
Fax: (954) 337-6424

Sales & General Information: info@repliweb.com
Documentation: docs@repliweb.com
Technical Support: <http://support.repliweb.com>
Website: <http://www.repliweb.com>

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Introduction

This document lists and describes the processes that are active in ROSS (RepliWeb Operations Suite for SharePoint[®]).

Certain processes are invoked per job and exist until job completion, while others run both in idle mode and while jobs are running. Idle mode is the period when ROSS is running but no jobs are active.

CPU/Memory resource consumption depends on a number of factors. For example, number of running jobs/active users, volume of data to be transferred, etc.

Note: In idle mode, ROSS resource consumption is negligible. While a job is running, resources are allocated dynamically according to the job's needs.

For more information, contact our Customer Support department at support.repliweb.com

ROSS System Processes

The processes detailed in this chapter run while ROSS is in idle mode.

NOTE: The CPU/Memory resources used by these processes is negligible and should not affect overall machine performance.

Process	Description	Runs on
repliweb_scheduler_service.exe	Starts and stops all scheduled processes, and creates: <ul style="list-style-type: none"> ▪ active_server.exe ▪ submit_server.exe ▪ archive_server.exe ▪ sched_api_server.exe 	Center
active_server.exe	Responsible for running jobs. NOTE: This process is operated by repliweb_scheduler_service.exe.	Center
archive_server.exe	Responsible for purging finished jobs. NOTE: This process is operated by repliweb_scheduler_service.exe.	Center
repliweb_server.exe	Manages Center-side, and Edge-side, applicative requests. For example, connecting the Console to the ROSS server.	Center and Edge
ross_console.exe	Executes the ROSS console GUI.	Console
rw_srv.exe	Receives requests from the Center and creates. Also acts as a server when there is no need for multiple processes (e.g., running proservers Snapshot).	Center and Edge
sched_api_server.exe	Controls the Active, Archive and Submit processes. NOTE: This process is operated by repliweb_scheduler_service.exe.	Center
submit_server.exe	Responsible for submitting jobs. NOTE: This process is operated by repliweb_scheduler_service.exe.	Center

Process	Description	Runs on
active_eraser.exe	Cleans expired content from the remote Edge servers. NOTE: Default is every 6 hours, this period is configurable.	Center

Job-initiated Processes

The processes detailed in this chapter are created for ROSS jobs and disappear once the jobs are completed.

NOTE: The amount of CPU/Memory resources used by these processes depends on the machine's I/O and networking throughput, and the job's tasks.

Process	Description	Runs on
<code>make_list_ross.exe</code>	Responsible for snapshot generation on the target and source. NOTE: <code>rw_srv.exe</code> operates this process, which creates a <code>make_list_ross.exe</code> process per Replication/Distribution job during Snapshot generation.	Center and Edge
<code>ross_core.exe</code>	Responsible for Replication jobs. NOTE: A process is created per Edge in each Center-to-Edge Replication/Distribution job.	Center
<code>ross_dmgr.exe</code>	Responsible for Distribution jobs, and manages a <code>repliweb_core.exe</code> process per Edge. NOTE: A process is created for each Edge in a Distribution job.	Center
<code>windows_rw_rolbck_recorder.exe</code>	Saves the target files before job execution in order to enable future rollback to this. NOTE: A process is created during the Rollback stage for each running job where rollback is enabled.	Center or Edge
<code>proserver.exe</code>	Handles client (Center or Console) requests. NOTE: This process is operated by <code>rw_srv</code> , and runs on the Edge when requested by the Center, or on the Center when requested by the Console.	Center or Edge
<code>large_file_accelerator.exe</code>	Responsible for transferring items and files in jobs using the LFA (Large File Accelerator) engine.	Center

Process	Description	Runs on
	NOTE: A process is created per stream for jobs using LFA engine. By default, three streams are used per job.	