



Good Share 3.0

High Availability Deployment Instructions

October 17, 2013

Table of Contents

1	Introduction	2
1.1	A basic deployment	3
1.2	The high-availability architecture	4
2	Configuring high availability	5
2.1	Setting up the primary server.....	5
2.2	Installing subsequent GS servers.....	5
2.3	Configuring Good Control.....	5
	Legal Notice.....	6

1 Introduction

Good Share (GS) 3.0 is designed to be deployed in a widely-distributed, High-Availability (HA) environment to ensure continuous uptime and automatic workload distribution across multiple servers.

Good Share implements HA by leveraging the clustering capabilities of Good Dynamics (GD) application servers.

Note: The instructions in this manual do not apply to versions of the GS server prior to version 3.0.

The high availability architecture can also be used to provide horizontal scalability. Currently, 1 GS Server can support up to 5000 users and 600 concurrent connections.

This guide explains, in detail, the steps needed to configure and deploy GS Servers in a HA environment.

Warning: GS can only be deployed in a HA environment if a **MS SQL** database is used for the database engine.

GS Servers can be deployed, like Good Control (GC) server, either as single-server nodes or in a cluster. Individual GS Servers that are deployed as part of a cluster can be assigned server priorities.

GS Server clusters and server priorities are configured in the GC console, in the same way as GC clusters.

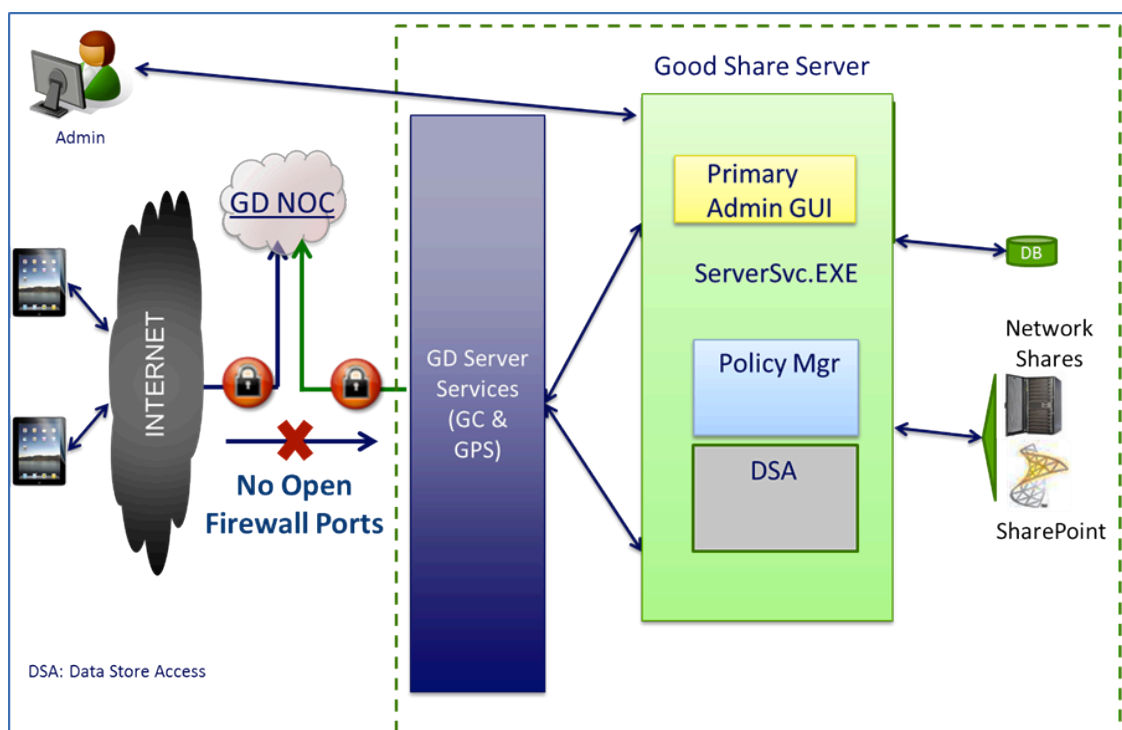
The GD runtime does not implement server selection for GS Servers. Instead, the GS app is given access to a structured representation of the GS Server cluster-configuration. The structure includes server priorities, addresses, and port numbers.

1.1 A basic deployment

This is the simplest deployment configuration for a GS Server. It consists of the following:

- One GS Server
- The GD infrastructure: a Good Control (GC) server, a Good Proxy (GP) server, the Network Operations Center (NOC)
- A remote SQL server instance
- Document repositories

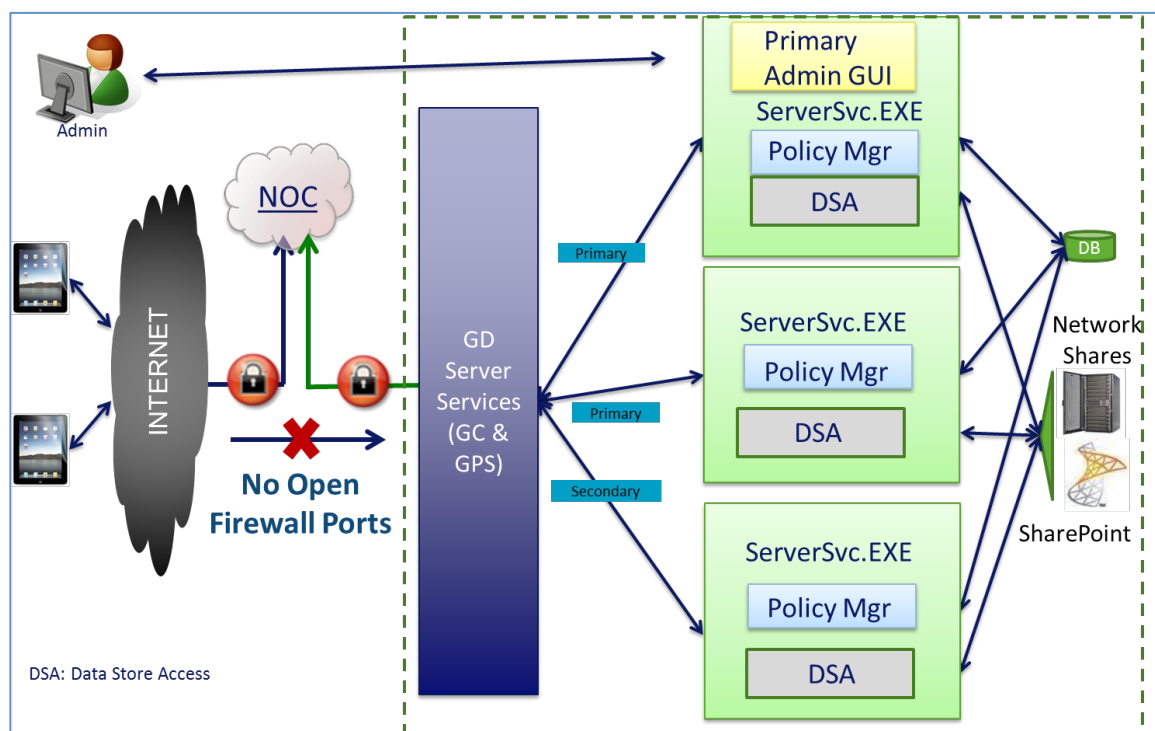
The GS Server is accessing a remote SQL DB at the backend. The server component consists of the server process and the policy engine. The DSA piece provides the access to existing document repositories. Configuration changes are performed by using the administration GUI.



1.2 The high-availability architecture

The high-availability deployment consists of the following:

- 3 GS Servers
- The Good Dynamics infrastructure: GC and GP servers, the NOC
- A remote SQL server instance
- Document repositories



Notice that all GS Server instances are accessing the same remote SQL database at the back end. We recommend that you install the database in a SQL cluster.

Designate one GS Server as the master where administrative tasks are performed. Since these values are recorded in the database, they are automatically mirrored to the other server instances.

The list of GS Servers is entered into Good Control. The GS app receives this list and initiates a connection to a GS Server based on the designated priority.

2 Configuring high availability

The following sections explain how to configure the GS server in an HA environment.

2.1 Setting up the primary server

1. Install Good Share on the first server using the instructions in the *Good Share Server 3.0 Installation and Administration Guide*.
2. Launch the GS Server console and make any desired changes to the settings.¶

2.2 Installing subsequent GS servers

Perform the following steps for all GS Servers, other than the primary server, in the HA system.

Note: You must have system administrator permissions on the SQL server to perform the following steps.

1. Download the GS Server from <http://www1.good.com/support/technical-support-resources.html>
2. Run the executable file on subsequent servers and follow the prompts until you get to the **Database Installation** screen.
3. Choose **MS SQL**, and specify the same database server information that you used on the primary server.
4. From the Services MMC, start the **Good Share Server Service** and **Good Share Server Administrative Service**.

2.3 Configuring Good Control

Enter your list of GS Servers in the Good Control console as follows:

1. Launch the GC console by entering `https://<GoodControlFQDN>` in a web browser.
2. Click on **Manage Applications** in the left pane, click on **Good Share** in the list of applications and click **Edit**.
3. Click on the **Servers** tab.
4. In the **Host Name** field, enter the FQDN of the first GS Server.
5. In the **Port** field, enter the server port number (the default is 9999).
6. Choose **Primary** from the **Role** dropdown and click the **+** icon under **Actions**.
7. Repeat steps 4-6 for subsequent GS servers by entering the respective GS FQDN and assigning the Primary, Secondary or Tertiary role to that server.

Legal Notice

This document, as well as all accompanying documents for this product, is published by Good Technology Corporation ("Good"). Good may have patents or pending patent applications, trademarks, copyrights, and other intellectual property rights covering the subject matter in these documents. The furnishing of this, or any other document, does not in any way imply any license to these or other intellectual properties, except as expressly provided in written license agreements with Good. This document is for the use of licensed or authorized users only. No part of this document may be used, sold, reproduced, stored in a database or retrieval system or transmitted in any form or by any means, electronic or physical, for any purpose, other than the purchaser's authorized use without the express written permission of Good. Any unauthorized copying, distribution or disclosure of information is a violation of copyright laws.

While every effort has been made to ensure technical accuracy, information in this document is subject to change without notice and does not represent a commitment on the part of Good. The software described in this document is furnished under a license agreement or nondisclosure agreement. The software may be used or copied only in accordance with the terms of those written agreements.

The documentation provided is subject to change at Good's sole discretion without notice. It is your responsibility to utilize the most current documentation available. Good assumes no duty to update you, and therefore Good recommends that you check frequently for new versions. This documentation is provided "as is" and Good assumes no liability for the accuracy or completeness of the content. The content of this document may contain information regarding Good's future plans, including roadmaps and feature sets not yet available. It is stressed that this information is non-binding and Good creates no contractual obligation to deliver the features and functionality described herein, and expressly disclaims all theories of contract, detrimental reliance and/or promissory estoppel or similar theories.

Legal Information

© Copyright 2013. All rights reserved. All use is subject to license terms posted at www.good.com/legal. GOOD, GOOD TECHNOLOGY, the GOOD logo, GOOD FOR ENTERPRISE, GOOD FOR GOVERNMENT, GOOD FOR YOU, GOOD APPCENTRAL, GOOD DYNAMICS, SECURED BY GOOD, GOOD MOBILE MANAGER, GOOD CONNECT, GOOD SHARE, GOOD TRUST, GOOD VAULT, and GOOD DYNAMICS APPKINETICS are trademarks of Good Technology Corporation and its related entities. All third-party technology products are protected by issued and pending U.S. and foreign patents.