

Description: Guide to setting up redundant servers for ICONICS Licensing and Security to use with your GENESIS32 system.

OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7

General Requirement: GENESIS32 v 9.x system or any product from the GENESIS32 product family with a software license.

Redundancy

ICONICS GENESIS32 allows for license and security server redundancy for mission-critical applications that cannot afford any down time. The ICONICS GenBroker application is the tool used to set up this type of redundancy. One may have up to two servers or nodes to act as Primary & Backup licensing and/or Security servers.

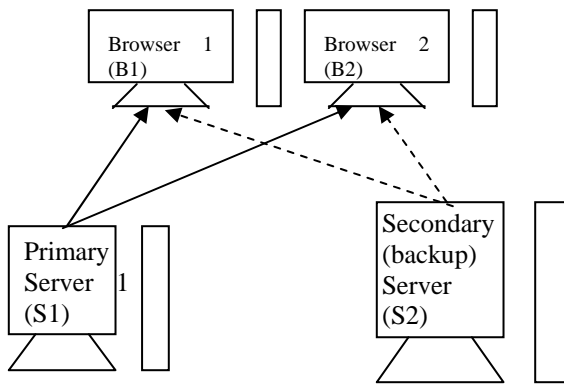


Figure 1 - System Architecture

GenBroker Setup on B1 & B2

On nodes B1 and B2 shown in Figure 1, the GenBroker Configurator needs to be set up to point to S1 for its primary source of license and security and to S2 for its backup source of license and security.

1. Open the GenBroker Configurator from Start → Programs → ICONICS Tools → GenBroker Configurator.
2. Select Administrative Servers on the left hand side.
3. Double click on Licensing on the right hand side to bring up the Licensing Servers window.
4. Set the Primary licensing server to S1 (you may use either network node name or IP address) and Backup to S2. See Figure 2.
5. Follow steps 2-4 for the Security Server as well.

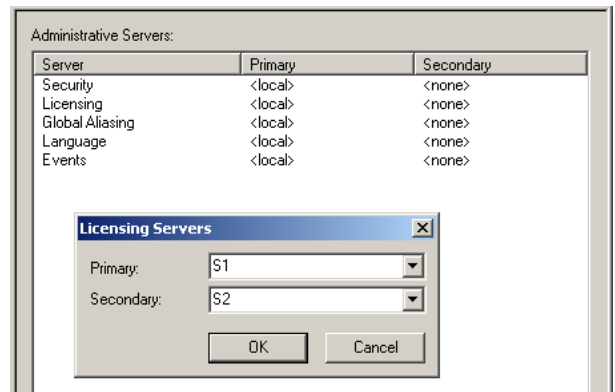


Figure 2 - Licensing Server Dialog

6. Channels: Set OPC Over TCP/IP Direct Channels as default.



Figure 3 - Licensing Server Dialog

Running GenBroker on S1 & S2

Run Application set-up utility from ICONICS Tools on both S1 and S2 (Primary and Secondary Server), which will make GenBroker an Automatic NT Service.

Make sure that GenBroker is an Automatic NT Service by opening MonitorWorX or GenTray.

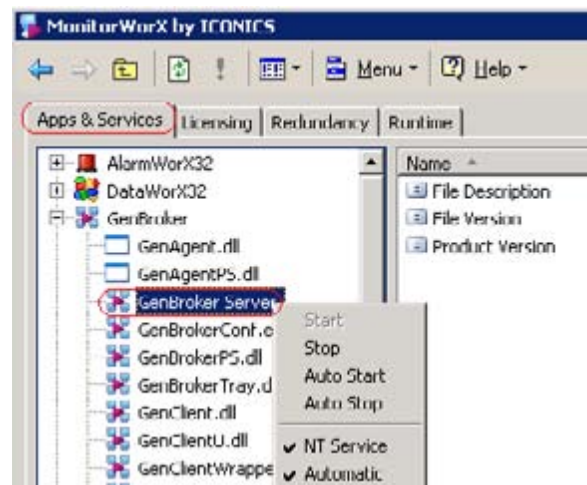


Figure 4 - GenBroker Server

NOTE: Start should be grayed out for GenBroker. This means the service is already started.