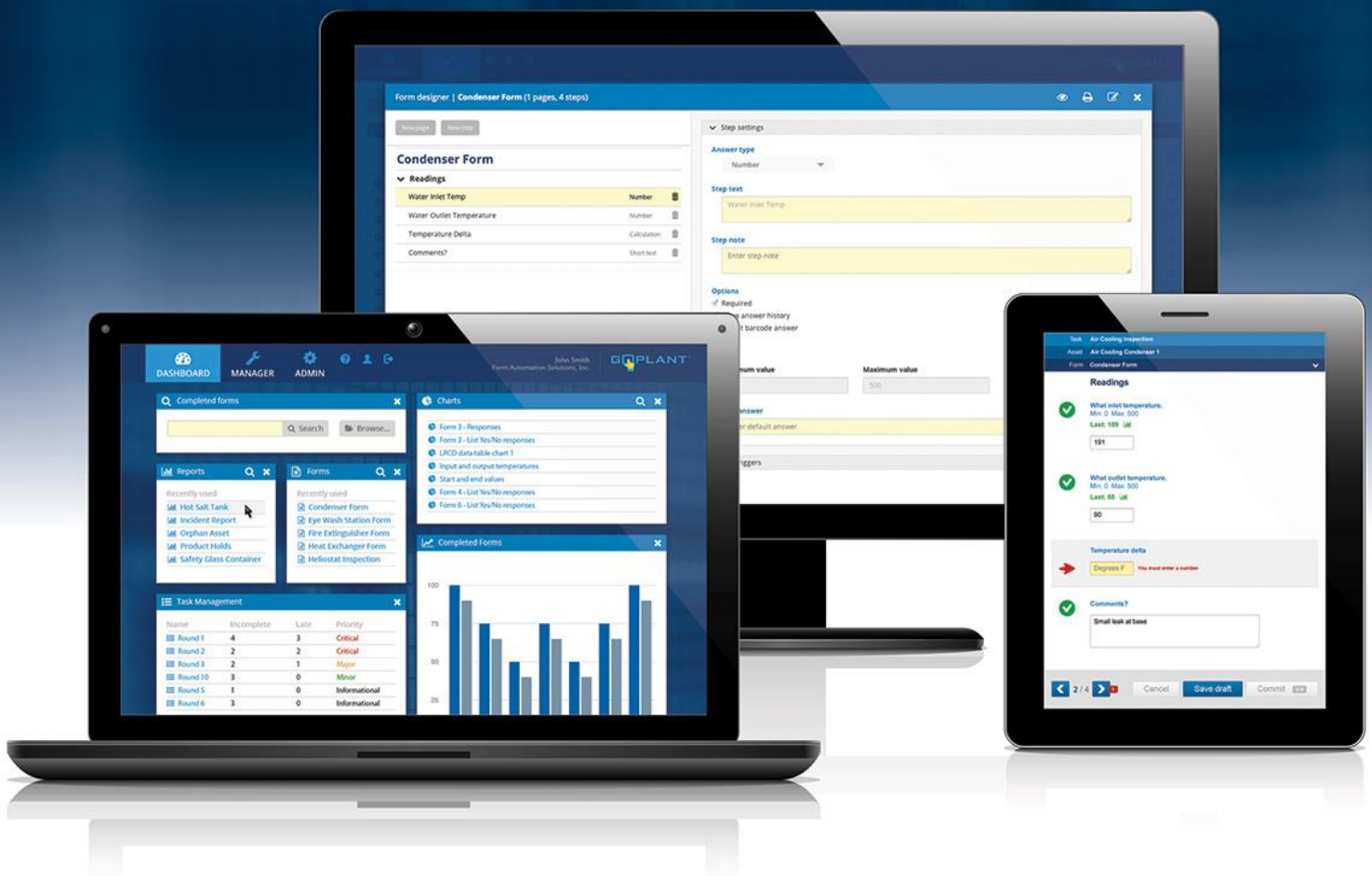
GoPlant Enterprise Edition Requirements

GoPlant version 2025.x



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GoPlant Enterprise Edition Requirements

Installation Prerequisites

The server or virtual machine that will run the GoPlant application must meet the requirements outlined in this document. Installation options allow you to host the GoPlant web site and database on one server or two.

Hardware Requirements

SKF certifies that GoPlant will function properly on a server meeting the following minimum hardware requirements.

Database Server	Minimum Requirements
Processor	2.4 GHz (8 cores)
Memory	32 GB RAM or better
Hard Disk Space	100 GB free space after OS and database installation
Web Server	
Processor	2.4 GHz (8 cores)
Memory	16 GB RAM or better
Hard Disk Space	20 GB free space after OS and IIS installation
Stand Alone (single) Server	(Less than 10 Concurrent User count)
Processor	2.4 GHz (2 cores)
Memory	32 GB RAM or better
Hard Disk Space	100 GB free space after OS and database installation

Software Requirements

SKF certifies that GoPlant will function properly on a server meeting the following software requirements.

Database Server	Version	Service Pack Required
Microsoft SQL Server 2022	SQL Server 2022	Latest service Pack
-OR- Microsoft SQL Server 2019	SQL Server 2019	Latest service pack
-OR- Microsoft SQL Server 2017	SQL Server 2017	Latest service pack
Web Server		
Windows Server 2022 (64 bit)	IIS with ASP .NET 4.8	Latest service pack
-OR- Windows Server 2019 (64 bit)	IIS with ASP .NET 4.8	Latest service pack
Internet Information Services (IIS)	IIS 10.0 or later (10.0 is default on MS Windows Server 2019)	Latest service pack
Online Client Browser Requirements		
HTML 5 compliant	Chrome, Safari, Firefox, MS Edge	
Offline/Mobile Clients		
iOS	iOS version 15 and greater	
Android	Android version 9 and greater	

Appendix A: GoPlant Configuration Worksheet

Use this worksheet to record information about your GoPlant installation. Leave fields blank if you are using system default locations, etc.

- You may want to print this worksheet and record your answers before beginning the installation process.

General Information

Install Log and Backup file location_____

Web Application folder location_____

Web Application URL_____

Database Configuration Information

Database Connection string_____

Database Login Name _____

Database Password _____

Microsoft SQL Server Information

Data Device Name_____

Data Device Size _____

Log Device Name _____

Log Device Size _____

SQL Server Instance Name (if any)_____

GoPlant Licensing information

Serial Number_____

License Type_____

Appendix B: GoPlant Disaster Recovery

Software applications are only as reliable as the hardware on which they run. In the event of a hardware failure (a crashed or corrupted hard disk, for example), your ability to quickly bring GoPlant back into operation depends largely on the business processes you have implemented to handle such situations. This chapter outlines the components of the GoPlant application that you must be able to restore or re-create after a hardware failure or other catastrophic incident and suggests some disaster recovery strategies.

- *This chapter is a guideline, not a recipe for backing up and restoring your site's GoPlant installation. SKF suggests that you to use this information to create a detailed recovery plan specific to your site.*

GoPlant Database Server

The GoPlant database is by far the most important component of your GoPlant installation; if a failure compromises the integrity of your database, all other precautions are meaningless. The state of every other component of your installation can be re-created manually if necessary, but a corrupted database can generally be recovered only from a backup.

All Database disaster recovery is based upon restoring database backups. It is beyond the scope of this document to describe how to back up your GoPlant database; however, SQL Server includes robust backup mechanisms. Consult your database administrator or database documentation for details on setting up a backup plan and schedule. Your choice of backup frequency will depend on your organization's use of GoPlant and other organizational practices; for many sites, nightly database backups are reasonable and sufficient.

- *In addition to the database itself, your backup plan should include a mechanism to restore the Database server software, either from a system backup or from the original installation media. Some member of your staff should be familiar with the process of bringing a restored database on-line in a freshly-restored or newly-installed database server installation.*

GoPlant Web Server

Web server configuration for GoPlant is straightforward and well documented in the *GoPlant Installation Guide*. The recovery procedures for a Web Server crash are described below.

GoPlant Installer Media

You should take care to store your GoPlant Installation files in a safe location.

Recovery Scenarios

This section describes how to recover your GoPlant installation after a hard drive crash or other catastrophic failure. This procedure assumes that your original system has been repaired and that the Operating System is working properly.

Configuration Types

These scenarios cover two different configuration types:

Configuration A. One machine: web server and database server running on same machine

Configuration B. Two machines: web server on machine one, database server on machine two

- The disaster recovery scenarios all assume that you, the GoPlant customer, have instituted your own Database Backup policy.

Cofiguration A: Web server and Database server running on the same machine

Scenario 1: GoPlant database corrupt or deleted but SQL Server Instance OK.

a. Restore your latest GoPlant database backup to the SQL Server Instance.

Scenario 2: Database Server crashed: SQL Server instance gone and GoPlant Database gone.

a. Re-install SQL Server with the same Instance name you used before.
b. Restore your latest GoPlant database backup to the SQL Server Instance.

Scenario 3: Hard Disk crash: Web application and GoPlant database gone.

a. Re-install SQL Server with the same Instance name you used before.
b. Do a clean install of the GoPlant web application.

Cofiguration B: Web server running on machine one and Database server running on machine two

Scenario 1: GoPlant database corrupt or deleted but SQL Server Instance OK.

a. Restore your latest GoPlant database backup to the SQL Server Instance.

Scenario 2: Database Server crashed: GoPlant database and SQL Server instance gone.

a. Re-install SQL Server with the same Instance name you used before.
b. Restore your latest GoPlant database backup to the SQL Server Instance.

Scenario 3: Web Server machine crash: Web application gone.

a. Backup the GoPlant database.
b. Do a clean install of GoPlant onto the new web server machine; use the existing SQL Server Instance for the database.
c. Replace the newly installed GoPlant database with the database backup from step a. (Restore the backup from step a. onto the clean GoPlant database).

Test the GoPlant Installation after Disaster Recovery

After completing any of the above disaster recovery scenarios, login to the restored GoPlant system from a Web Browser and from a Handheld device to verify that it is working correctly.

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