GRIN-Global Full Installer CD

Revision Date
Friday, March 05, 2010

The GRIN-Global CDs contains the following software:

1. Prerequisite software required by GRIN-Global to operate properly
2. All GRIN-Global Server and Client Installer programs
3. Example GRIN-Global Data and Index Files

There are two GRIN-Global installation CDs:

- CD 1: Prerequisite software (Microsoft's Installer, Powershell, etc.)
- CD2: the GRIN-Global Updater and other GRIN-Global programs and databases

Introduction to GRIN-Global

GRIN-Global has been developed jointly by the **USDA Agricultural Research Service**, **Bioversity International**, and the **Global Crop Diversity Trust**.

GRIN-Global is a new version of the Germplasm Resource Information Network (GRIN), providing the world's crop genebanks with a powerful, but easy-to-use plant genetic resource (PGR) information management system.

Bioversity International will deploy GRIN-Global worldwide, working cooperatively with users to document the system in Arabic, English, French, Russian and Spanish, translate its interface, and implement it in developing countries.

GRIN-Global can be implemented different ways, ranging from a simple genebank inventory application on a single PC to a widely distributed system supporting on-line user searching and germplasm ordering:

- Operates over a network or on "stand-alone" personal computers
- Supports PostgreSQL, MS SQL Server, Oracle, and MySQL databases
- Enables maximum flexibility in delegating user rights

Because of the Curator Tool's flexibility, you can organize and keep track of data that matches your workflow or that is in line with your organization's procedures.

GRIN-Global Suite of Software Components

There are several software components that comprise the GRIN-Global germplasm information system:

Updater Program

This program is used to install the other tools in the GRIN-Global suite. The installation directions begin on the page 3.

Curator Tool

The **GRIN-Global Curator Tool** is used by curators and users who create and manage genebank data.

Public Interface

The GRIN-Global Public Interface is designed for users who will query the GRIN-Global database. It provides immediate access to PGR information for researchers and incorporates an easy-to-use interface for extracting and manipulating PGR information. The interface facilitates germplasm ordering to meet specific research needs. The Public Interface is under development and is planned for release at the end of 2010.

Database (optional)

When the **GRIN-Global Database** component is selected, a local copy of the GRIN-Global database is installed on the user's PC.

Search Tool

The GRIN-Global Search Tool works directly with the Curator Tool and the Public Interface. The Search Tool is used to perform "google-like" searches on the GRIN-Global database.

Admin Tool

[Note – under development. This tool will handle several important "behind the scenes" functions such as assigning security privileges and creating data views.]

Getting Started with GRIN-Global

Updater Program

All installations require the Updater Program to be installed. The Updater is then used to install any, or all of, the other GRIN-Global components.

However, not all GRIN-Global users need to install all components. For example, if a user's PC will only access a GRIN-Global database on a remote computer and will not maintain a local database, then only the Curator Tool needs to be downloaded and installed.

Background Information

GRIN-Global's suite of applications and tools originate from two different sources:
> MIcrosoft
> GRIN-Global Project

General Requirements

- The user installing GRIN-Global must have administrator rights to the PC
- Requires an Internet browser: Windows Internet Explorer and Mozilla Firefox are supported; the PC's browser must be Active-X enabled

Hardware requirements:
- 2 GB Hard drive space
- 2 GB RAM

Operating Systems
- Windows XP Service Pack 3
- Windows Vista (Home, Ultimate; 32- or 64- bit)
- Windows 7 (Home, Ultimate; 32- or 64- bit)

Microsoft Prerequisites

Several Microsoft components are required. At appropriate times, you will be guided by the installation wizard to download these Microsoft programs, which will be downloaded from Microsoft's website if they are not already installed on the PC. They do not need to be reinstalled; however, when the PC has an older version than what is recommended, you should update to the recommended version. (Alternatively, at any time, you can manually download these from Microsoft's site.)

The Microsoft "Prerequisites"

Component	Function / Notes [tbd anything necessary here or just delete this half???]
Windows Installer 4.5	
Windows Powershell 1.0	
Visual Studio Tools for Applications 2.0	
Crystal Reports for Visual Studio 2008	
SQL Server 2008	
.NET Framework 3.5 (Service Pack 1)	

Note Sometimes when installing a Microsoft application, you may be required to reboot. After rebooting, the Microsoft application will finish installing, but the GRIN-Global **Updater** program will not automatically launch and continue. Therefore, when a reboot is involved, you will need to launch **Updater** manually again. (Click the Windows **Start button**; select **GRIN-Global Updater**.) Reselect the respective GRIN-Global application(s) to install; click Download/Install.

Steps for Installing GRIN-Global

Install Prerequisites

Before any GRIN-Global applications will function properly, you must install the prerequisite software.

Server Prerequisites

If you will be installing the GRIN-Global Server applications on this computer, install the Server Prerequisites. To do so, run the file "**GrinGlobal_Server_Prerequisites_Setup.exe**" in the same folder as this document.

(Alternatively, you can download the prerequisites zip file (includes both client and server) at http://grin-global-test1.agron.iastate.edu/gringlobal/uploads/installers/beta3/gringlobal_prereq_cd.zip.)

Client Prerequisites

If you will be installing the GRIN-Global Client applications on this computer, install the Client Prerequisites. To do so, run the file "**GrinGlobal_Client_Prerequisites_Setup.exe**" in the same folder as this document.

Install GRIN-Global Updater

GRIN-Global includes an Updater application. Use this to install all of the other GRIN-Global applications. It can also be used to get the latest releases from a remote server. Please install the GRIN-Global Updater before any other GRIN-Global applications.

Run GRIN-Global Updater

Locate the GRIN-Global Updater launch item in your Windows **Start** menu. It should be at **GRIN-Global | GRIN-Global Updater**. Double-click it to launch the GRIN-Global Updater.

If Installing the Server Applications...

1. Make sure your "**Download from Server:**" is pointing to the appropriate resource

2. Click "**Check for Server Updates**"

3. The grid will fill with four applications. Install all four, as needed, by selecting **Download | Install**

If Installing the Client Applications...

1. Make sure your "**Download from Server**:" is pointing to the appropriate resource

2. Click "**Check for Client Updates**"

3. The grid will fill with one application. Install it by selecting **Download | Install**

Note:
Online, the url for the full installer zip file is:

http://grin-global-test1.agron.iastate.edu/gringlobal/uploads/installers/beta3/gringlobal_full_cd.zip