

|  |  |
| --- | --- |
|  | **Center** |
|  |  |
|  | icenter.diag documentation |
|  |  |
|  |  |
|  |  |
|  | Technical Description |
|  |  |
|  | Version: 2.0 |
|  | State: Released |
|  | Classification: Internal use only |
|  | Author: LEF |
|  | Creation date: 2014-12-04 |
|  | Repository: $/Gorba/Main/Center/Diag/Documents/TD\_CenterDiagFeatureList.docx |
|  | Gorba AG  Sandackerstrasse  9245 Oberbüren  Switzerland |

**Table of contents**

[1 Introduction 4](#_Toc430162292)

[2 Functionalities 4](#_Toc430162293)

[2.1 Online mode 4](#_Toc430162294)

[2.2 Offline mode 4](#_Toc430162295)

[2.3 Units view 4](#_Toc430162296)

[2.4 Unit connection 4](#_Toc430162297)

[2.5 Information and settings 4](#_Toc430162298)

[2.6 Applications 4](#_Toc430162299)

[2.7 I/Os 5](#_Toc430162300)

[2.8 Remote filesystem 5](#_Toc430162301)

[2.9 Live log viewer 5](#_Toc430162302)

[2.10 Remote Viewer 5](#_Toc430162303)

[3 Installation 5](#_Toc430162304)

[3.1 Full installation 5](#_Toc430162305)

[3.2 Upgrade 5](#_Toc430162306)

**Modification management**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version** | **Date** | **Name** | **Dept.** | **Modifications** | **State** |
| 0.1 | 04.12.2014 | LEF | SW | Initial draft | Draft |
| 1.1 | 15.09.2015 | EPT | SW | Added chapters 2.1, 2.2, 2.10  Updated available functions depending on Online/Offline mode | Draft |

**Review**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Name** | **Dept.** | **Remarks** |
|  | 29.01.2015 | EPT | SW | Added chapter 3 |
| 0.1 |  |  |  |  |
| 1.1 | 16.09.2015 | OCS | SW | Formal changes in 2.1 |
|  |  |  |  |  |

**Release**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Name** | **Dept.** | **Remarks** |
| 1.0 | 29.01.2015 | EPT | SW | 1st release |
|  |  |  |  |  |
| 2.0 | 16.09.2015 | OCS | SW |  |
|  |  |  |  |  |

# Introduction

This document provides a list of functionalities implemented in icenter.diag 1.2.

# Functionalities

## Online mode

* It is possible to login to a Background System
* Only units of the current selected tenant are shown in the units view
* It is not possible to add units to the list
* The user can only interact on a connected unit if he has the permission Interact on Datascope Unit (icenter.admin)

## Offline mode

* It is possible to start icenter.diag in Offline mode
* Units which are in the same IP Subnet, will be discovered via UDCP
* It is possible to add units specifying its IP address
* The user can interact on the unit without any restrictions

## Units view

* List of available units
* The list is automatically refreshed
* Add a unit specifying its IP address (only enabled in Offline mode)
* Mark unit as favorite (favorite units available at next startup)
* Remove a unit (only if it was manually added)

## Unit connection

* Possibility to connect to one or more units available in the list
* Possibility to disconnect from one unit

## Information and settings

* Units discovered via UDCP show basic system information
* It is possible to (temporarily) change the IP settings of a connected unit
* It is possible to make the unit “announce” itself
* It is possible to reboot a unit

## Applications

* For each connected unit a list of available Gorba applications is displayed
  + For each application following information is shown:
  + Application name
  + Version (if available)
  + State
  + CPU usage in %
  + RAM usage in KB
* Each application can be (in Online mode according to the user permissions):
  + (re)launched
  + Exited

## I/Os

* All I/Os on a given unit are displayed with the following information
  + Name
  + Current state
* It is possible to change any output on the unit (only with the allowed values)

## Remote filesystem

* It is possible to list the filesystem on a unit
* The filesystem is read-only and displays folders and files
* It is possible to double-click a file to open (or download) the content

## Live log viewer

* It is possible to view the logs of a Gorba application running on a connected unit
* Logs are automatically refreshed
* It is possible to “freeze” the logs view to be able to focus on available entries
* It is possible to turn on and off the log viewing
* It is possible to select the min log level

## Remote Viewer

* It is possible to connect to a unit via Remote Viewer (only possible if HardwareManager on the unit is version 2.6.x or above)
* It is possible to work on the unit remotely if “Interactive Mode” is checked
* It is possible to c&p text from and too the unit (copy of files is not supported)
* To use modifier keys (Ctrl, Alt, Shift) or the Windows key, check the buttons you need and move the mouse on the remote screen before pressing the combination key.   
  E.g. check Ctrl and Alt, move mouse on the remote screen, press Del

# Installation

## Full installation

icenter.diag is installed using ClickOnce, this means the user only has to click a link on the icenter Portal under “Applications.” The installer will then download and install the application for the current user. After the first launch from the Portal, the user has an application shortcut called “icenter.diag” in his start menu.

## Upgrade

The ClickOnce approach described above also caters for the upgrade of icenter.diag. Every time icenter.diag starts, it checks if a new version is available and automatically installs the new version.