

## Miradore Client Deployer

### Version information

Client deployer version: 1.4.4  
 Released in Miradore version: 5.0.0  
 Release date: 11/2018

### Description

Tool used for deploy Miradore clients remotely.

### Supported target systems

Network connected devices running Windows operating system

### Software prerequisites

Windows XP or newer

### Connector host computer

May be installed on any computer which can connect to Miradore server and computers where to clients will be deployed

### Configuration changes made by the connector

Changes made by the installer:

Files

Creates a program folder (user configurable) and adds files

C:\Program Files (x86)\Miradore\Connectors\<<MiradoreInstance>\Client deployer

Scheduled tasks

Adds a Windows scheduled task to run the deployer (user configurable)

Changes made by the program itself

Files

Stores the latest Miradore client installation files to program folder

Creates a log file into the program folder

### Configuration

Common configuration

Miradore server, instance, port and SSL information is entered when installing the connector.

These values are saved to config.ini file in program folder.

Connector specific configuration

Client deployment and remote inventory expiration times can be configured in Miradore UI. Deployer retries failed deployments and remote inventories every one hour within defined expiration time.

### Network connections

Between connector and Miradore server

HTTP(S) connection (port depends on Miradore server configuration, default is 80/443).

Between connector and target computer

Deployer connect's to target computer using TCP ports 135, 139 and 445

### Authentication

Between connector and Miradore server

Standard Miradore connector authentication (must be authorized from the Miradore UI).

Between connector and target computer

Deployer uses provided local or domain user account to connect target computer's IPC\$ share. This account must be member of Administrators user group on target computer. Typically domain administrator level user account is used for deployments.

### Scheduling

Method

By default, scheduled as a Windows scheduled task.

Interval

By default, once a minute.

### Principle of operation

Send start event to Miradore server if allowed to run.

Do deployment tasks

Get list of client deployments and deployment settings from Miradore server.

Start process for each deployment. The count of concurrent deployments is limited to 20 by default.

Create system service to target computer. This service runs client's installer.

Wait deployment process to exit.

Update deployment status on Miradore server.

If there are remaining deployments, start them.

Send stop event to Miradore server

**Data transferred to Miradore**

Only client deployment status and Client deployer logging information.

**Data transferred from Miradore to the target system**

None.

**Debugging**

Set value Debug=1 to config.ini found from installation directory and check MDClientDeployer.log file in installation directory. This file is overwritten every time client deployer is run.

**Version history****Miradore Management suite 5.0.0 / Deployer 1.4.4**

Miradore client deployer was using an outdated HTTP/SSL library which caused the following error when connecting to Miradore server with certain configurations: "HTTPHandler: 35. SSL connect error. Unknown SSL protocol error." The problem is fixed in Miradore client deployer version 1.4.4.

**Miradore 4.1.1 / Deployer 1.4.3**

- Device identification improvements.
- Bug fix: Miradore client deployer wasn't able to handle deployment passwords, which contained national alphabets.

This was fixed by changing the character encoding that is used when processing the passwords in Miradore.

Now, it should be possible to also use national letters in passwords.

**Miradore 3.6.2 / Deployer 1.4.2**

Minor enhancements.

**Miradore 3.5.1 / Deployer 1.4.1**

Bug fix: Client deployer account's password was incorrectly saved into database, which prevented the client deployment.

Bug fix: Miradore client deployer wasn't able to process device names which started with "-" character.

**Miradore 3.2.0 / Deployer 1.4.0**

Added proxy support

Changed to use HTTP POST with multipart/form-data

Changed remote inventory to use single string for scheduler's command line instead of separate switches for every parameter

Included MdToolBox library

**Miradore 3.1.0 / Deployer 1.3.1**

Added support for new client installation parameters needed by client version 2.3.1