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## ODYSSEE Solver

ODYSSEE Solver includes:

- ODYSSEE QUASAR: A solver to make predictive models and data mining analysis.
- ODYSSEE NOVA: An optimizer to search for the optimal variables to minimize an objective function, while respecting constraints defined.

## Download installers

Go to the [MSC Software Download Center](#) to download:

- **ODYSSEE Solver** product exists for:
  - Windows 10, ODYSSEE-Solver\_2023.\*\_x64.exe
  - RHEL 7.9 Supported platform and fully certified, RHEL 8.6 Supported platform, ODYSSEE-Solver-2023.1-1.el8.x86\_64.rpm

**Note:** The **Helium MSC Licensing tool** must be installed either on the server for a network license or on the user's computer for a seat license. Please, go to the [MSC Software Download Center](#) to download: **MSC Licensing Helium**.

## ODYSSEE Solver installation

### For Windows:

1. If ODYSSEE Solver was already installed in past, removed manually the examples directory in personal user directory usually: `UserName\Documents\ODYSSEE\Solver\Examples`
2. Execute the new set-up **ODYSSEE Solver\_2023.\*\_x64.exe**.
3. Select the language.
4. During the installation select the directory installation and click on **Next**. By default, it is:  
`C:\Program Files\ODYSSEE\Solver`
5. Click on **install** button.

### For RHEL 7.9:

1. Uninstall old versions if they exist on the computer.
  - a. Open a command prompt
  - b. Write the command: `sudo yum remove ODYSSEE-Solver`
2. Install the new set-up **ODYSSEE-Solver-2023.1-1.el8.x86\_64.rpm**.
  - a. Write the command: `sudo yum install ODYSSEE-Solver-2023.1-1.el8.x86_64.rpm`
3. Execute ODYSSEE Solver run:
  - a. "QuasarEngine\_2" for the AI solver
  - b. or "Nova" for the Optimizer

## Licenses

A license file has been sent by e-mail from your Hexagon/MSC contact.

ODYSSEE-Solver\_2023.\*\_x64.exe is compatible with **Helium MSC licensing** (FLEXERA system).

To check the license:

- Open a command prompt
- Go by the cd command in the ODYSSEE Solver directory
- Run “QuasarEngine\_2.exe”

A message appears asking to configure the license:

- (1) Select a license file
- (2) Configure a network license server Ip

For both types of licenses (Network or seat), **enter 2**

And next, specify the **Network license server Ip: 27500@HOSTNAME or 27500@ip** and press enter.

- HOSTNAME or ip of the server if you received a network license.
- HOSTNAME or ip of the local computer if you received a seat license.

**Note:** for seat license, to obtain the host name, open a command prompt and enter ipconfig/all.

```
C:\Windows\System32\cmd.exe - QuasarEngine_2.exe
Microsoft Windows [version 10.0.17763.316]
(c) 2018 Microsoft Corporation. Tous droits réservés.

C:\Program Files\ODYSSEE\Solver>QuasarEngine_2.exe
Please provide a valid license file for CADLM/Quasar
You can :
    (1) Select a license file
    (2) Configure a network license server Ip
    (3) Quit
What do you want to do?
2
Network license server Ip : 27500@MyServerFRW
```

**Note (Windows):** if ODYSSEE Solver return this message: *Unable to checkout a token for ODYSSEE Solver*, check

- If the user computer can ping on the server.
- If the LMtool service is started on the server.
  - Launch LMtools.exe.
  - Go to the Service/License
  - Select the good service in the list.
  - Go to Start/Stop/reread tab.
  - Start the service.
  - Retry to launch the application.

**Note:** If there is no service, please refer to [MSC Licensing Helium User's Guide.pdf](#) available in [MSC Software Download Center](#).

## Examples for Windows

Quasar examples are available in:

```
C:\Program Files\ODYSSEE\Solver\Documentation\Quasar\_Examples
```

Or into

```
.\Documents\ODYSSEE\Solver\Examples\Quasar
```

Nova examples are available in:

```
C:\Program Files\ODYSSEE\Solver\Documentation\Nova\examples
```

Or into

```
.\Documents\ODYSSEE\Solver\Examples\Nova
```

## Examples for RHEL 7.9

Quasar examples are available in:

```
/usr/local/bin/ODYSSEE/Solver/Documentation/Quasar/_Examples
```

Or into

```
/home/.../Documents/ODYSSEE/Solver/Examples/Quasar
```

Nova examples are available in:

```
/usr/local/bin/ODYSSEE/Solver/Documentation/Nova/examples
```

Or into

```
/home/.../Documents/ODYSSEE/Solver/Examples/Nova
```

## Help Documents for Windows

The Help document for Quasar is available in:

```
C:\Program Files\ODYSSEE\Solver\Documentation\Quasar\Quasar Help  
2022.*.pdf
```

The Help document for Nova is available in:

```
C:\Program Files\ODYSSEE\Solver\Documentation\Nova\Nova Help 2022.*.pdf
```

## Help Documents for RHEL 7.9

The Help document for Quasar is available in:

```
/usr/local/bin/ODYSSEE/Solver/Documentation/Quasar/Quasar Help 2023.*.pdf
```

The Help document for Nova is available in:

```
/usr/local/bin/ODYSSEE/Solver/Documentation/Nova/Nova Help 2023.*.pdf
```