

# **OCP GDS REST Manual**

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### Request

Volvo have a new RESTful web service for their Dealer Management System GDS. Alentec & Orion have been asked to build a new integration between OriLink and GDS using the new RESTful web service (see errand 2024 and 3664 in Super Office).

From documentation written by Volvo (GDS Oil Monitoring Interface.docx)

“

*Global Dealer System (GDS) is a Dealer Management System used extensively in Volvo Truck & Bus Workshops.*

*One of the key functional areas of GDS is to allow the creation, maintenance and invoicing of Workshop Repair Orders. As part of the maintenance of these Orders, GDS records the use of consumables including oil. A generic RESTful web service is provided to enable Oil Dispensing systems to inform GDS of the quantity of oil used for a specific Repair Order. Note that this is available in GDS Fusion only.*

*This document is intended to provide all the necessary information for Dealers and potential Suppliers to enable a third-party Oil Dispensing system to communicate with GDS.*

“

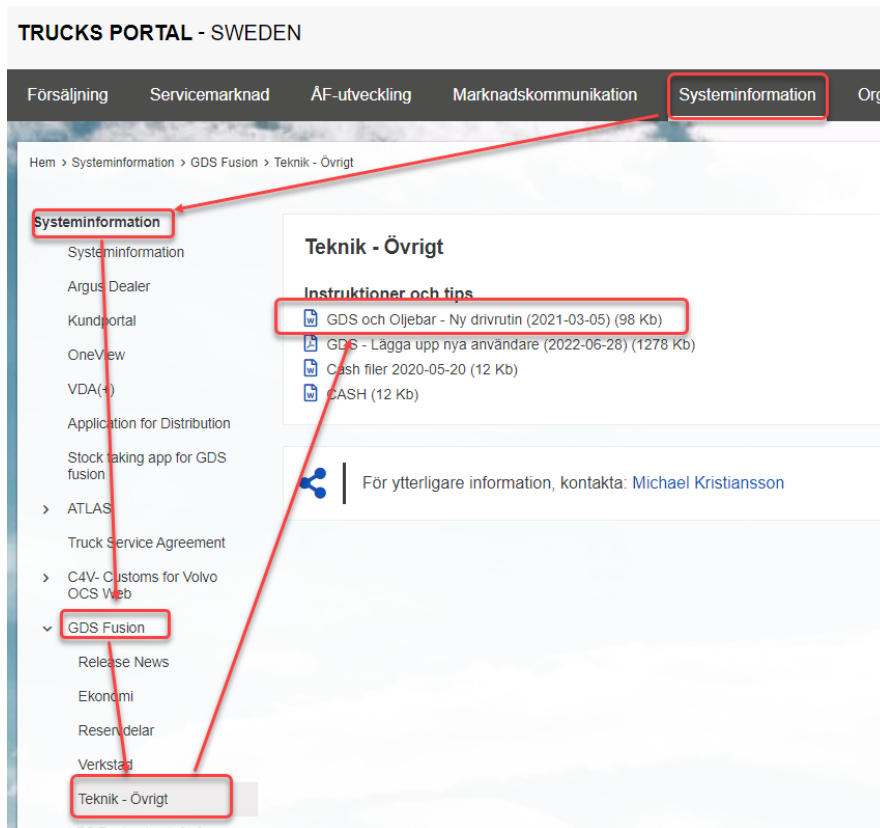
In the new “Is Job valid” call operation (Job/Line number) is not validated, only workorder number is validated. Because of this there is a risk that transactions with correct work order number and incorrect operation number is sent to GDS. These transactions will be successfully added in GDS but needs some manual handling. To avoid a lot of warning messages and beeping on the oil computer, Volvo wants the driver to send a warning email for return code 91 (*Operation Number doesn't exist on the Order or is part of a fixed package*). This is discussed in S.O errand 2024.

### Solution

A new OCP 1 driver was created **GDS\_Rest**, the driver has support for Rest API that demands Access Token. A mail function is added for sending warning mails for certain returncodes from GDS API. Settings for the driver is in a new type of xml file, the setting xml file should be altered using **OCP Settings.exe**, this program reads the xml file and creates a GUI with controls for all settings and belonging descriptions.

## Before Installation

Customer needs to order a SystemAccount from DSC Nordic ([dsc.nordic@volvo.com](mailto:dsc.nordic@volvo.com)). Use Excel sheet **XDS-ECS-WSS order form – template.xlsx** provided by GDS and fill in needed information.



This is for Nordic companies, routine for other countries may differ.

## Installation

Choose the correct version of GDS\_Rest for the OriLink system, R10 should work for most versions pre R12.

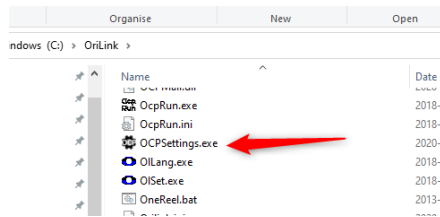
1. Copy all files from Installation folder to c:\Orilink.

CppManaged.dll	2021-01-07 15:23
GDS_Rest.dll	2021-04-30 11:58
GDS_Rest.ini	2021-01-12 07:05
GDS_Rest.xml	2022-05-05 11:25
Ijwhost.dll	2019-11-15 15:51
License.dat	2021-01-13 14:59
ManagedCSharp.dll	2022-05-05 10:44
Newtonsoft.Json.dll	2019-11-09 00:56
OcpGui.exe	2013-10-30 11:00
OCPSettings.exe	2021-01-13 08:58
PasswordChangeWarning.exe	2022-05-05 10:39
TestLink.exe	2013-11-17 22:22

2. Click on OCPSettings.exe to open the GUI for settings.

## TECHNICAL DESCRIPTION

a.



b. Enter password 2222.

c. Select settings group “Custom” all settings that need to be changed for each installation is in this group. Fill in the values received from Volvo, there is a description for each parameter. VolvoUser and VolvoPassword is the SystemAccount from GDS see [Before Installation](#).

OCP Settings

XML name: /root(Under reconstruction)/OnLink/DMS-integrations/23595 - GDS\_Rest/Version 2/R10/To OnLink folder/GDS\_Rest.xml

Group: Custom Setting: All

Custom\_VolvoUser (Type=String)  
Value: [Empty field]  
Description: Customized setting for GDS. Use %VolvoUser to use this parameter for other settings in this file. VolvoUser is the user needed to get Access Token.

Custom\_VolvoPassword (Type=Password)  
Value: [Empty field]  
Description: Customized setting for GDS. Use %VolvoPassword to use this parameter for other settings in this file. VolvoPassword is the password needed to get Access Token. OBS! needs to be changed every 180 day.

Custom\_VolvoPasswordLastChangedDate (Type=String)  
Value: 2022-05-01  
Description: Customized setting for GDS. A warning will popup if VolvoPasswordLastChangedDate + VolvoPasswordChangeInterval(days) is less than 10

Custom\_VolvoPasswordChangeInterval (Type=String)  
Value: 180  
Description: Customized setting for GDS. A warning will popup if VolvoPasswordLastChangedDate + VolvoPasswordChangeInterval(days) is less than 10

Custom\_branch (Type=String)  
Value: [Empty field]  
Description: Customized setting for GDS. branch parameter received from Volvo. Use %branchPassword to use this parameter for other settings in this file

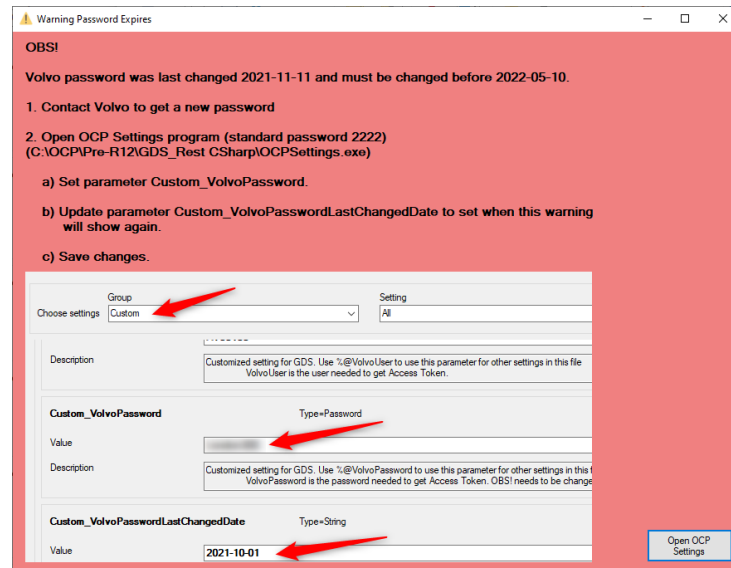
Custom\_dealer (Type=String)  
Value: [Empty field]  
Description: Customized setting for GDS. dealer parameter received from Volvo. Use %dealer to use this parameter for other settings in this file

Custom\_MainDealer (Type=String)  
Value: [Empty field]  
Description: Customized setting for GDS. Main dealer is used in the path for the global setup. check with Volvo which to use. Use %MainDealer to use this parameter for other settings in this file

i.

ii. **Custom\_VolvoPasswordLastChangedDate** and **Custom\_VolvoPasswordChangeInterval** are used to show a warning on the oil computer when it is time to get a new password from Volvo. Change the date in **Custom\_VolvoPasswordLastChangedDate** to the date when a new password is received from Volvo.  
If (**Custom\_VolvoPasswordLastChangedDate** + **Custom\_VolvoPasswordChangeInterval** - **10 days**) is before current date a warning will show on the oil computer when ValidateJob

function runs.



## Extra settings

*Not needed to change for all installations.* Change settings Group to “All” to see all settings.

- iii. **ForwardTransaction\_SuccessWithWarning** this setting sets if an email should be sent for a certain returncode instead of generating an OCP error.
- iv. **ForwardTransaction\_BlockOrder** can be used if “dummy” workorder has been added to OriLink database and this work order is used for in house sales that should not be sent to GDS. If this workorder is used the transaction will not be sent to GDS and no error will be generated.
- v. The next section OCPmail is for mail settings, this section is only mandatory if a **ForwardTransaction\_SuccessWithWarning** code has been set. If not activated set **OCPmail\_Activated** to 0 and leave the rest of the OCPmail\_ parameters blank.

## 3. Check PartNumber Prefix.

When sending a transaction to GDS part number **prefix** is mandatory. The Prefix can be found in GDS and must be saved in OriLink database before the part number, separated by dot.

I.e.

Prefix = FR3

Part number = CHE23834422C

Fluid part number saved in WinDbManger = FR3.CHE23834422C

## 4. Add GDS\_Rest to License file.

Add a section in License.dat called GDS\_Rest, after change the license file must be activated by Alentec & Orion Support.

## TECHNICAL DESCRIPTION

### 5. Change WinDB.ini to use the new driver

In WinBD.ini (located in c:\OriLink) in section [OCP] set OCP=GDS\_Rest.dll

```
[OCP]  
OCP=GDS_Rest.dll  
UsePartno=1
```