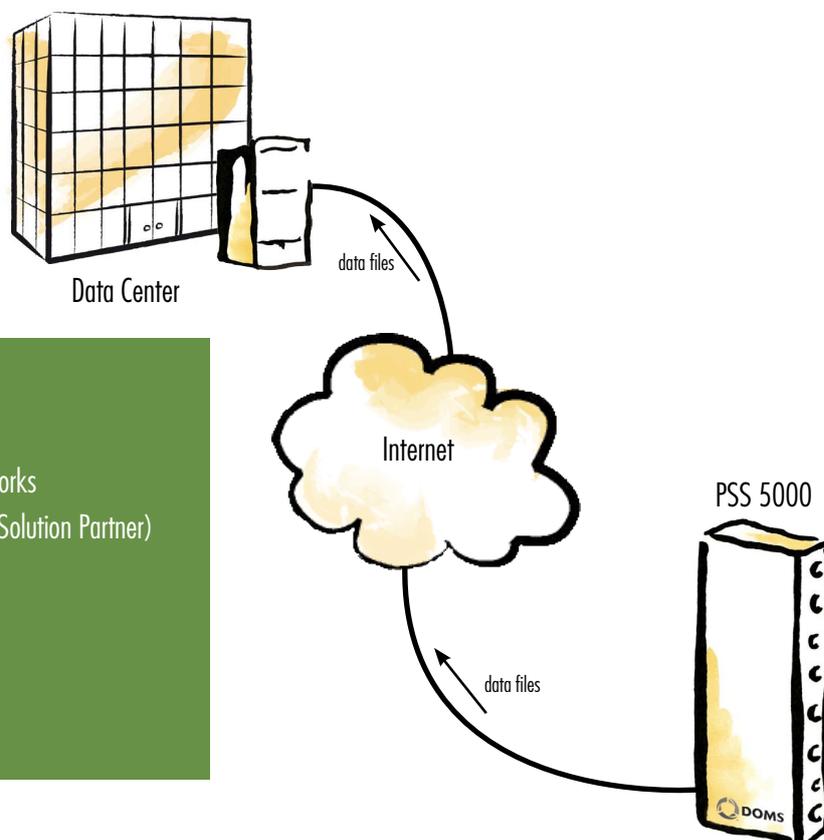


PSS 5000 Forecourt Controller

Feature Description — Data Push Services for PSS 5000-539



Benefits

- > Receive raw data without access to private networks
- > Configurable data recipient (e.g. Head Office or Solution Partner)
- > Raw data in xml file format
- > Easy integration to 3rd party applications
- > Low cost implementation
- > Separate file creation and upload schedules
- > File integrity validation

Functionality

The Data Push Service (DPS) is a plug-in function that enables you to establish a Secure Socket Shell (SSH) connection between the PSS 5000-539 Forecourt Controller and a remote server. Using this connection, which uses username/password or key based authentication, xml data files can be transferred to the server at scheduled intervals using the Secure File Transfer Protocol (SFTP) over SSH.

The DPS set up enables you to define how often the individual data files are created. These are then stored in a buffer until they are uploaded to the server.

You define the frequency with which the files are uploaded and the location on the server where you want the files stored. An MD5 hash ensures the integrity of the transferred files and only after a successful file transfer are the files removed from the buffer in the PSS 5000.

The DPS functionality is independent of the PSS Application installed, but to enable it an EXTENDED_INFO license must be installed in the PSS 5000. This can be obtained by contacting sales@doms.dk.

Data Files Available

Site Status Snap-shot

The *site_sta.xml* file contains a real time status of an open period report for the site. Each file contains the following types of data:

- > Identifiers for the station
- > PSS software installed
- > Products on site
- > Grades available
- > Grade prices contained in the price bank
- > License key status
- > Status of forecourt devices
- > Oldest and newest sequence numbers for:
 - > New events
 - > New reports
 - > New BORs

Event Data

The *newevent.xml* file contains a complete list of the events that have occurred. Each event provides the following data:

- > Sequence number
- > Time stamps
- > Event identifiers for:
 - > Event group
 - > Code
 - > Subcode (optional)
- > Descriptive text to aid diagnostics

Delivery Data

The *newdeliv.xml* file contains information about the last 20 fuel deliveries made. This information is provided by the tank gauge system(s) connected to the forecourt controller. Each file contains the following data:

- > Time stamps
- > Start and End volumes of tanks
- > Temperature values during delivery

Back Office Records (BORs)

Two types of Back Office Record files are created and available: *all_bor.xml* and *new_bor.xml*.

The *all_bor.xml* file contains all the back office records in the buffer, while the *new_bor.xml* file contains a list of back office records created since the previous *new_bor.xml* file was created. Each file contains the following data:

- > Transaction sequence numbers
- > Fuel and fuelling point identifiers
- > Time stamps
- > Transaction price, volume and sales values
- > Flow rate data
- > ID of authorizing devices

```
<?xml version="1.0"?>
<bor_entries xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="http://10.28.151.137/new_bor.xsd" structure="1" version="2" station_id="
E
<bor_entry bor_seq_no="1" bor_date="2018-10-15" bor_time="10:07:29">
E   <trans_header till_type="POS" till_id="19" trans_amount="26.78" no_detail_records="1"/>
E   <details_fuel record_no="1" trans_seq_no="1" fp_id="01" sm_id="12" grade_id="10" grade_opt_no="1" price="0.910" volume="28.30" amount="26.78" gr_opt_vol_tot="876.50" f
E   <tank_l tank_id="01" consumption="28.30"/>
E   <termination_status>
E     <termination_status/>
E   </details_fuel>
E </bor_entry>
E <bor_entry bor_seq_no="2" bor_date="2018-10-15" bor_time="10:09:12">
E   <trans_header till_type="POS" till_id="25" trans_amount="9.74" no_detail_records="1"/>
E   <details_fuel record_no="1" trans_seq_no="2" fp_id="01" sm_id="12" grade_id="10" grade_opt_no="1" price="0.910" volume="10.70" amount="9.74" gr_opt_vol_tot="887.20" f
E   <tank_l tank_id="01" consumption="10.70"/>
E   <termination_status>
E     <termination_status/>
E   </details_fuel>
E </bor_entry>
E <bor_entry bor_seq_no="3" bor_date="2018-10-15" bor_time="11:02:08">
E   <trans_header till_type="POS" till_id="19" trans_amount="31.30" no_detail_records="1"/>
E   <details_fuel record_no="1" trans_seq_no="3" fp_id="05" sm_id="21" grade_id="40" grade_opt_no="1" price="0.940" volume="33.30" amount="31.30" gr_opt_vol_tot="460.86"
E   <tank_l tank_id="04" consumption="33.30"/>
E   <termination_status>
E     <termination_status/>
E   </details_fuel>
E </bor_entry>
E <bor_entry bor_seq_no="4" bor_date="2018-10-15" bor_time="11:04:34">
E   <trans_header till_type="POS" till_id="25" trans_amount="10.00" no_detail_records="1"/>
E   <details_fuel record_no="1" trans_seq_no="4" fp_id="05" sm_id="21" grade_id="40" grade_opt_no="1" price="0.940" volume="10.64" amount="10.00" gr_opt_vol_tot="471.50"
E   <tank_l tank_id="04" consumption="10.64"/>
E   <termination_status>
E     <status_reaser limit_reached/status/>
E   </termination_status>
E   </details_fuel>
E </bor_entry>
E <bor_entry bor_seq_no="5" bor_date="2018-10-20" bor_time="11:04:34">
```

Software Requirement

In addition to requiring an EXTENDED-INFO license installed, it is also necessary to have the Normalized Cloud Connector (NCC) software package (900-02-100 or later) installed and running on the system. For more information about installing software packages and setting up the Data Push Service, refer to menus 5.2. Software Update and 5.11. Push Service, respectively, in the FCC Web Application online help system.