



# Functional Release Notes

Version 5.12.19

## *Release Information*



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## Content

<b>Overview</b> .....	<b>3</b>
<b>FORCE Common</b> .....	<b>4</b>
Reliable FORCE Startup & Shutdown .....	4
Corrupt Database in SFT .....	5
<b>Productivity</b> .....	<b>6</b>
New Activity Step FindSuccessorOperations .....	6
Removal of Create workplace UI .....	7
Replacement of Shift Assignment in Week Definition .....	8
<b>Appendix</b> .....	<b>11</b>



## FORCE Common

### Reliable FORCE Startup & Shutdown

Affected module	Affected area	Status
FFSetup	FFStartup	New

#### FFSetup

In FFSetup there is a new configuration page that allows you to configure the startup routine.

#### FFStartup

Check Connectivity

Reachability timeout

Cancel on failure

Database

	Enabled Startup	Sleep time in seconds	Startup Timeout in seconds	Cancel on failure	Group
activemq	<input checked="" type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="120"/>	<input checked="" type="checkbox"/>	<input type="text" value="1"/>
ffauth	<input checked="" type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="120"/>	<input checked="" type="checkbox"/>	<input type="text" value="3"/>
fferp	<input checked="" type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="300"/>	<input type="checkbox"/>	<input type="text" value="4"/>
ffignite	<input checked="" type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="600"/>	<input checked="" type="checkbox"/>	<input type="text" value="2"/>
ffnewoffice	<input checked="" type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="300"/>	<input type="checkbox"/>	<input type="text" value="5"/>
ffnewoffice-backg...	<input checked="" type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="300"/>	<input type="checkbox"/>	<input type="text" value="5"/>
ffruntime	<input checked="" type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="600"/>	<input checked="" type="checkbox"/>	<input type="text" value="3"/>
ffwebservices	<input checked="" type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="300"/>	<input type="checkbox"/>	<input type="text" value="5"/>
ffworkbench	<input checked="" type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="300"/>	<input type="checkbox"/>	<input type="text" value="5"/>
ffworker	<input checked="" type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="300"/>	<input type="checkbox"/>	<input type="text" value="4"/>

	Enabled Startup	Sleep time in seconds	Startup Timeout in seconds	Cancel on failure	Group
dacq	<input checked="" type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="300"/>	<input checked="" type="checkbox"/>	<input type="text" value="4"/>
dcu	<input checked="" type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="300"/>	<input checked="" type="checkbox"/>	<input type="text" value="4"/>


Send E-Mail notifications

E-Mail Recipients   
Multiple E-Mail recipients must be entered comma-separated.

E-Mail Sender


## Corrupt Database in SFT

Affected module	Affected area	Status
Workbench/FFSetup	SFT	-

 Please be aware while updating from version < 5.11.36 or < 5.12.10 you might have a database that is corrupted with many dead literals. This can lead to failing restarts or updates of the system.

### System Behavior

When running FFSetup literal import it is stuck forever and crashes with a heap dump. The same thing might happen when restarting any of our applications that load our literals.

 To find out if your system is affected by it and to find the control measures refer to Technical Release Notes 5.12.19.

# Productivity

## New Activity Step FindSuccessorOperations

Affected module	Affected area	Status
Workbench	Shopfloor Terminal Configurator	New

### Shopfloor Terminal Configurator: Find Successor Operations

New activity step implemented which takes an operation as input parameter and if the operation is found, searches and returns its successor operation .

New dark step **Find Successor Operations (FindSuccessorOperationsActivityStep)** performs the following functions:

- Searches for the successor operations of the given input operation.
- Returns the array of successor operations. The maximum number of fetched operations are returned as configured in step configuration mMaxResultCount.
- Returns an empty array If operations are not found.
- Returns the Check Result output as a String value (CHECK\_RESULT). If any successor operation is found, returns the configured Check Result value of true, otherwise Check Result value of false.

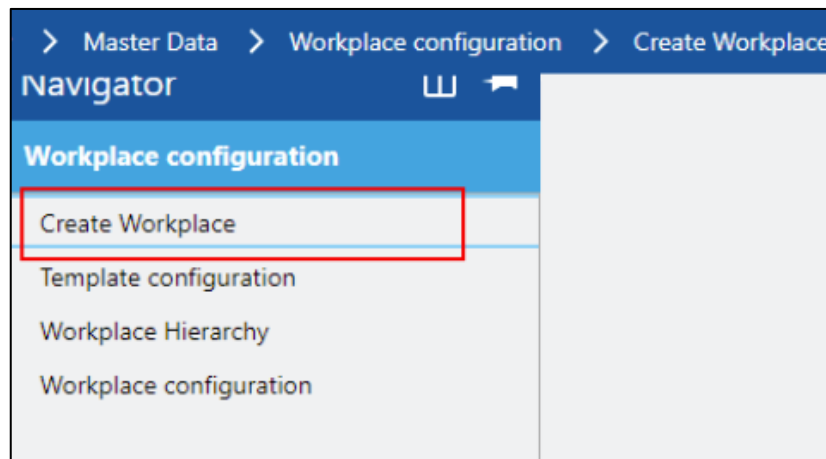
Identifier	Value
Find Successor Operations	
Activity step name	FindSuccessorOperationsActivityStep
Configuration of Execution Conditions	
When cancelling continue reporting procedure	<input type="checkbox"/>
inputparameters	(1) List Elements
Parameter Assignment	Operation (OP) → Operation (OP)
Output parameters	(2) List Elements
Parameter Assignment	Operation 2 (OP) ← Successor Operations (OP)
Parameter Assignment	Check Result ← Check Result
Max. Number of Matches	-1
Return value OK	true
Return Value NOK	false

## Removal of Create workplace UI

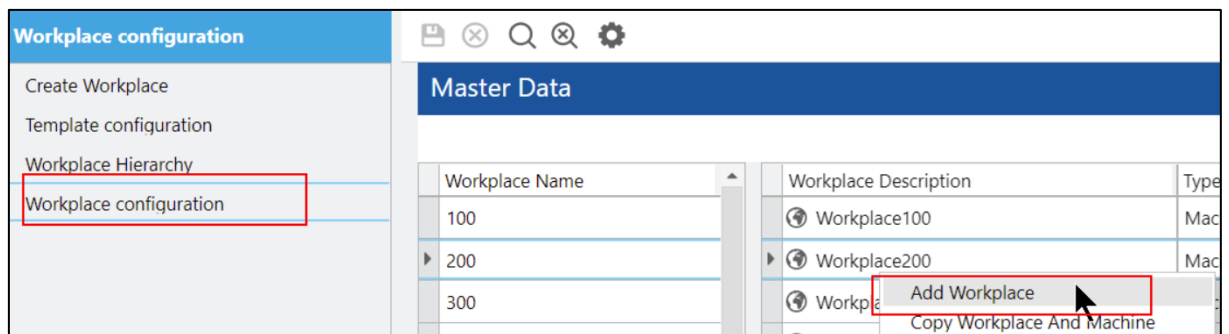
Affected module	Affected area	Status
Workbench	Workplace Configuration	Changed

**Path:** Master Data > Workplace Configuration

The direct access for the Create Workplace UI is removed.



If the user wants to add a new workplace in the Workplace Configuration UI, it is still possible.



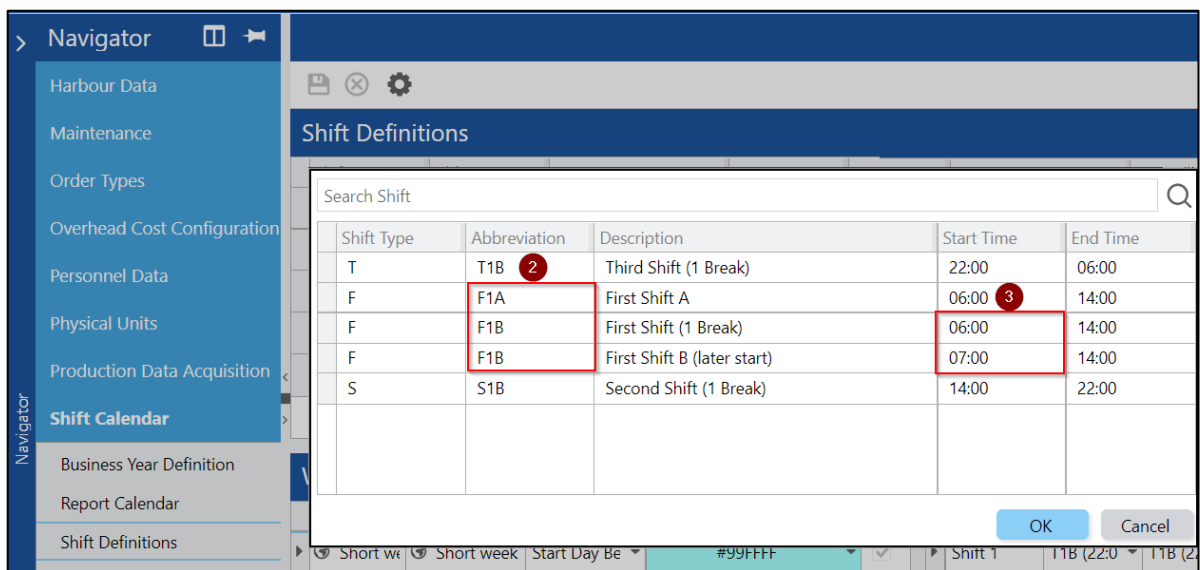
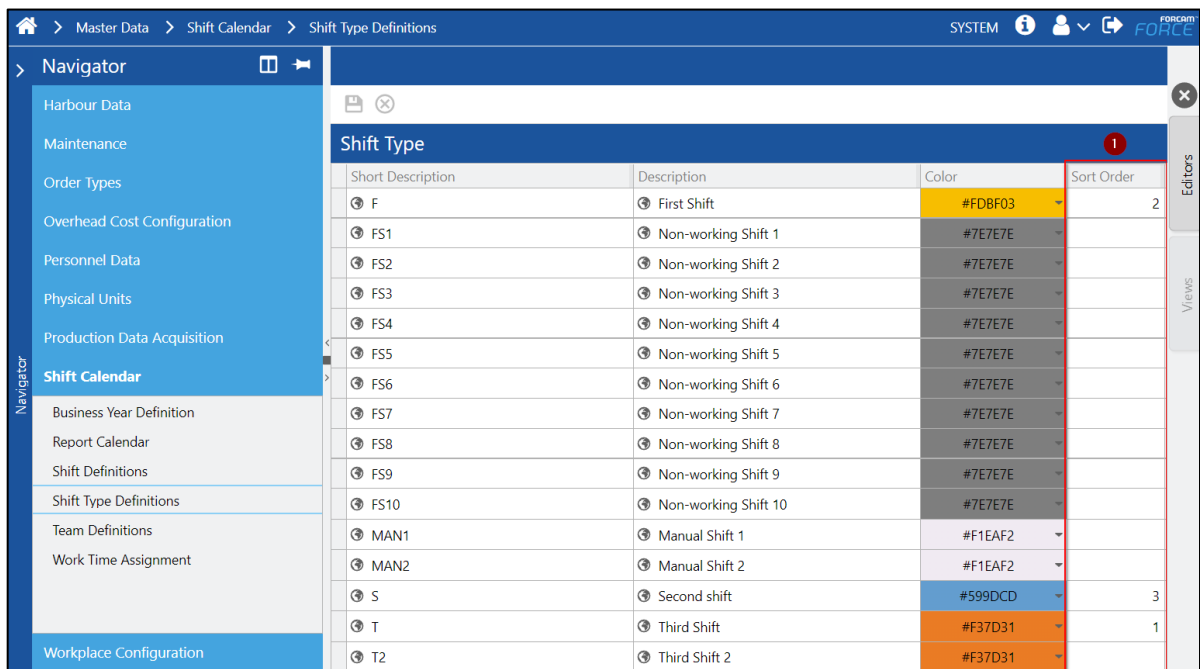
With the removal of the direct access, the additional rights/permission that were necessary for the direct UI call are removed too.

## Replacement of Shift Assignment in Week Definition

Affected module	Affected area	Status
Workbench	Shift Calendar	Changed

**Path:** Workbench > Master Data > Shift Calendar > Shift Definitions

Inside the week definition the previous unsorted dropdown list is replaced with a shift selection popup (see second screenshot). This popup contains the shift type, abbreviation, description, start - and end timestamp.





The default sorting is done first according to the shift type sort order (1), abbreviation (2) and the last the start timestamp (3) in an ascending order. The user can always select another sorting by clicking the column header.

In addition, shifts can be searched by all 5 columns. Following some examples.

- Search by description:

Shift Type	Abbreviation	Description	Start Time	End Time
F	F1B	First Shift (1 Break)	06:00	14:00
F	F1A	First Shift A	06:00	14:00
F	F1B	First Shift B (later start)	07:00	14:00

- Search by timestamp:

Shift Type	Abbreviation	Description	Start Time	End Time
F	F1B	First Shift B (later start)	07:00	14:00

If search results are in an object then this object is automatically selected. The popup only supports single select. This means if an user selects multiple elements sequentially only the last one is checked as selected.

The user can select no shift in the popup and when the ok button is present. Then the previous selected shift is removed from the day of the week.

In the following screenshot the user can see that the popup only shows available shifts for that day.

Search Shift					
	Shift Type	Abbreviation	Description	Start Time	End Time
	T	T1B	Third Shift (1 Break)	22:00	06:00
▶	F	F1B	First Shift (1 Break)	06:00	14:00
	F	F1A	First Shift A	06:00	14:00
	F	F1B	First Shift B (later start)	07:00	14:00

S1B is already used on the selected day and therefore the user cannot see it as available shift in the popup.

## Appendix

Abbreviation/Term	Meaning
UI	User Interface
SFT	Shopfloor Terminal
SQL	Structured Query Language