

# QIP<sub>4</sub>-Testing

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## Setup Manual

V2.2

**Jan Boes**

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## 1 Introduction

This document describes the QIP<sub>4</sub>-Testing product.

During the programming and testing phase of a functional design, the NAV functionality is tested extensively, first during the programming phase by the developer and later during the test phase by the consultant. Often the same functionality is tested and / or exceptions are overseen. To speed up the process the QIP<sub>4</sub>-Testing has been developed.

This tool is able to test the NAV processes by testing the expected outcome of these processes.

The outcome of the processes can be tested via:

- Determine if error message(s) appear in the process
- Are expected values met after the process has been executed

### 1.1 A schematic overview of the whole process

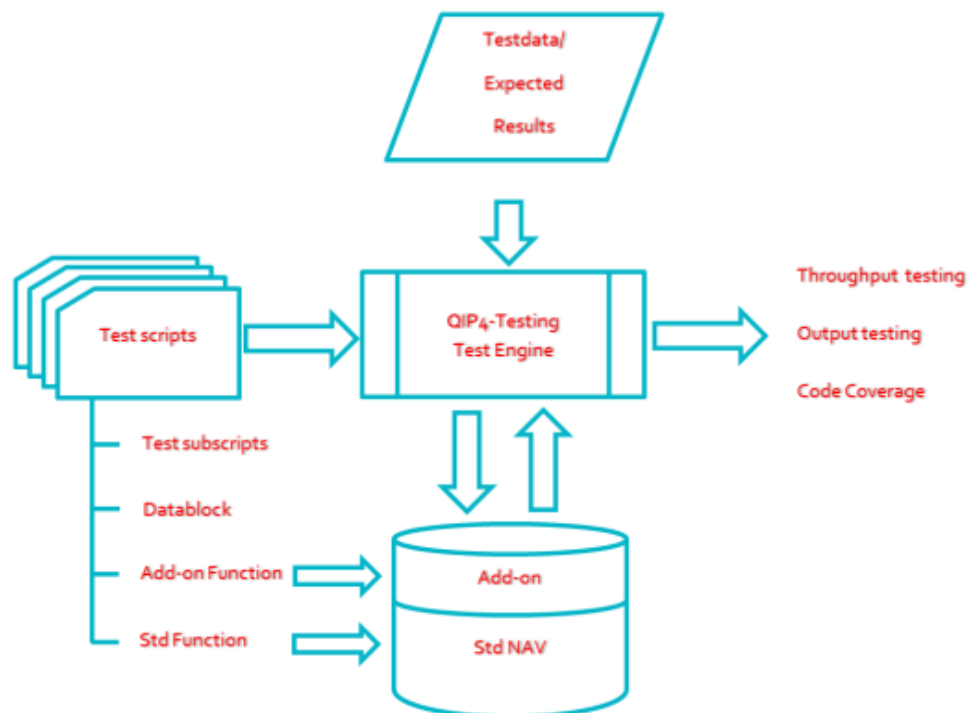


Figure 1: Schematic overview of QIP<sub>4</sub>-Testing

The test sets and the expected values are created by the user. Then the test is executed by running the standard or customized Microsoft Dynamics NAV processes and in the end the user can check the test results to see if the NAV process has run correctly

In the following chapters the setup of the product QIP<sub>4</sub>-Testing is described.



## 2 NAV versions, granules and objects

In this chapter the different NAV world is described.

### 2.1 NAV versions

QIP<sub>4</sub>-Testing is based on the Microsoft Dynamics NAV Test Framework the lowest possible version to this product is Microsoft Dynamics NAV 2009 R2.

It is possible to upgrade to client to this version and to keep the NAV object on a lower version (technical upgrade), but it is not guaranteed that all functions will be running.

A prototype is built for Microsoft Dynamics NAV 2013. I case needed, please contact QIPtree via [support@qiptree.com](mailto:support@qiptree.com).

### 2.2 NAV Granules and QIP<sub>4</sub>-Testing versions

The QIP<sub>4</sub>-Testing product has four different granules and based on these granule's two different versions can be purchased.

Granule ID	Granule Name
11022010	QIP <sub>4</sub> -Testing – Base
11022060	QIP <sub>4</sub> -Testing – Management
11022070	QIP <sub>4</sub> -Testing – Cloud
11022080	QIP <sub>4</sub> -Testing – Development

Version	Granule ID	Granule Name
Runtime		
	11022010	QIP <sub>4</sub> -Testing – Base
	11022060	QIP <sub>4</sub> -Testing – Management
	11022070	QIP <sub>4</sub> -Testing – Cloud
Development		
	11022010	QIP <sub>4</sub> -Testing – Base
	11022060	QIP <sub>4</sub> -Testing – Management
	11022070	QIP <sub>4</sub> -Testing – Cloud
	11022080	QIP <sub>4</sub> -Testing – Development



## 2.3 Deployment

The current version of QIP<sub>4</sub>-Testing is a fully Microsoft Dynamics NAV solution, there is no need to install any software.

### 2.3.1 Installation of the NAV fob file

The QIP<sub>4</sub>-Testing add-on does not alter any standard NAV object. Therefore the installation is quite simple.

1. Open the NAV Object Designer
2. Select the menu option – File -> Import...
3. Select the QIP<sub>4</sub>-Testing fob file and press the button Open
4. All objects are now added to the NAV Object Designer
5. Compile all new objects

### 2.3.2 Initialization of the QIP<sub>4</sub>-Testing functions

#### Classic Client

The different QIP<sub>4</sub>-Testing functions are located in a separate menu Group

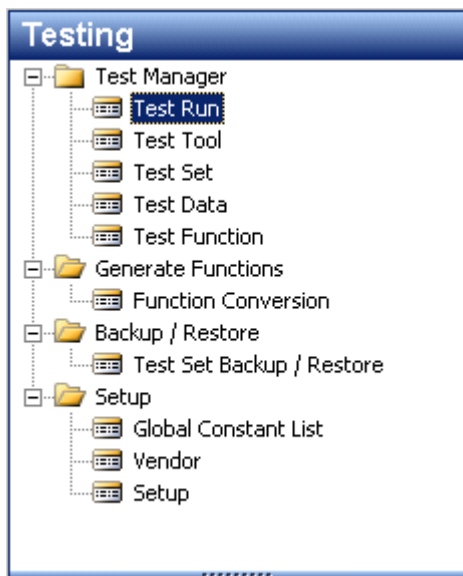


Figure 2: QIP<sub>4</sub>-Testing menu group

The QIP<sub>4</sub>-Testing functions can be initialized in the Function Setup form that can be found via the menu options Testing -> Test Manager -> Test Functions

Function Setup						
Code	Description	Vendor	Executio...	Codeunit ID	Codeunit Name	
ARCHIVE PD	Archive Purchase Document	QIPTREE	103	11210221	TT - NAV W1 Funct	
ARCHIVE SD	Archive Sales Document	QIPTREE	123	11210221	TT - NAV W1 Funct	
CALC PURCH DISC	Calculate Purchase Discount	QIPTREE	101	11210221	TT - NAV W1 Funct	
CALC SALES DISC	Calculate Sales Discount	QIPTREE	121	11210221	TT - NAV W1 Funct	
CALC. CONSUMPTION	Calculate Consumption	QIPTREE	71	11210221	TT - NAV W1 Funct	
CALC. WHSE. INVENT	Calculate Warehouse Physical Inventory	QIPTREE	60	11210221	TT - NAV W1 Funct	
CANCEL APPR. REQ. PD	Cancel Purchase Approval Request	QIPTREE	108	11210221	TT - NAV W1 Funct	
CANCEL APPR. REQ. SD	Cancel Sales Approval Request	QIPTREE	128	11210221	TT - NAV W1 Funct	
COMMIT SLEEP	Store changes in database and sleep	QIPTREE	14	11022363	TT - UI Funct	
CONV PQ TO PO	Convert Purchase Quote to Purchase Document	QIPTREE	7	11210221	TT - NAV W1 Funct	
COPY FILES	Copy Files	QIPTREE	4	11022363	TT - UI Funct	
COPY PD	Copy Purchase Document	QIPTREE	102	11210221	TT - NAV W1 Funct	
COPY SD	Copy Sales Document	QIPTREE	122	11210221	TT - NAV W1 Funct	
CREATE ITEM JRNL LNE	Create Item Journal Line	QIPTREE	80	11210221	TT - NAV W1 Funct	
CREATE PICK	Create Pick	QIPTREE	42	11210221	TT - NAV W1 Funct	
CREATE PUT-AWAY	Create Put-Away	QIPTREE	41	11210221	TT - NAV W1 Funct	
CREATE WHSE. RCPT...	Create Warehouse Receipt from Purchase Document	QIPTREE	21	11210221	TT - NAV W1 Funct	
CREATE WHSE. RCPT...	Create Warehouse Receipt from Sales Document	QIPTREE	22	11210221	TT - NAV W1 Funct	
CREATE WHSE. RCPT...	Create Warehouse Receipt from Transfer Order	QIPTREE	53	11210221	TT - NAV W1 Funct	

Figure 3: Function Setup

When the menu button Functions -> Initialize is pressed the available functions will be displayed.

## Role Tailored Client

The different QIP4-Testing functions are located in the Department menu

Microsoft Dynamics NAV

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Departments

Departments

Departments

Financial Management

Sales & Marketing

Purchase

Warehouse

Manufacturing

Jobs

Resource Planning

Service

Human Resources

Administration

Testing

Home

Posted Documents

Departments

Departments

Choose by department

Financial Management

General Ledger

Cash Management

Receivables

Payables

Fixed Assets

Inventory

Periodic Activities

Sales & Marketing

Sales

Order Processing

Marketing

Inventory & Pricing

Purchase

Planning

Order Processing

Inventory & Costing

Warehouse

Orders & Contacts

Planning & Execution

Goods Handling Order ...

Goods Handling Multipl... Inventory

Manufacturing

Product Design

Capacities

Planning

Execution

Costing

Jobs

Resource Planning

Service

Human Resources

Administration

Testing

Contract Management

Planning & Dispatching

Order Processing

IT Administration

Application Setup

Test Manager

Function Generator

Backup / Restore Setup

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jan.boes

Figure 4: Department menu

The QIP4-Testing functions can be initialized in the Function Setup page that can be found via the menu options Departments -> Testing -> Test Manager -> Test Functions

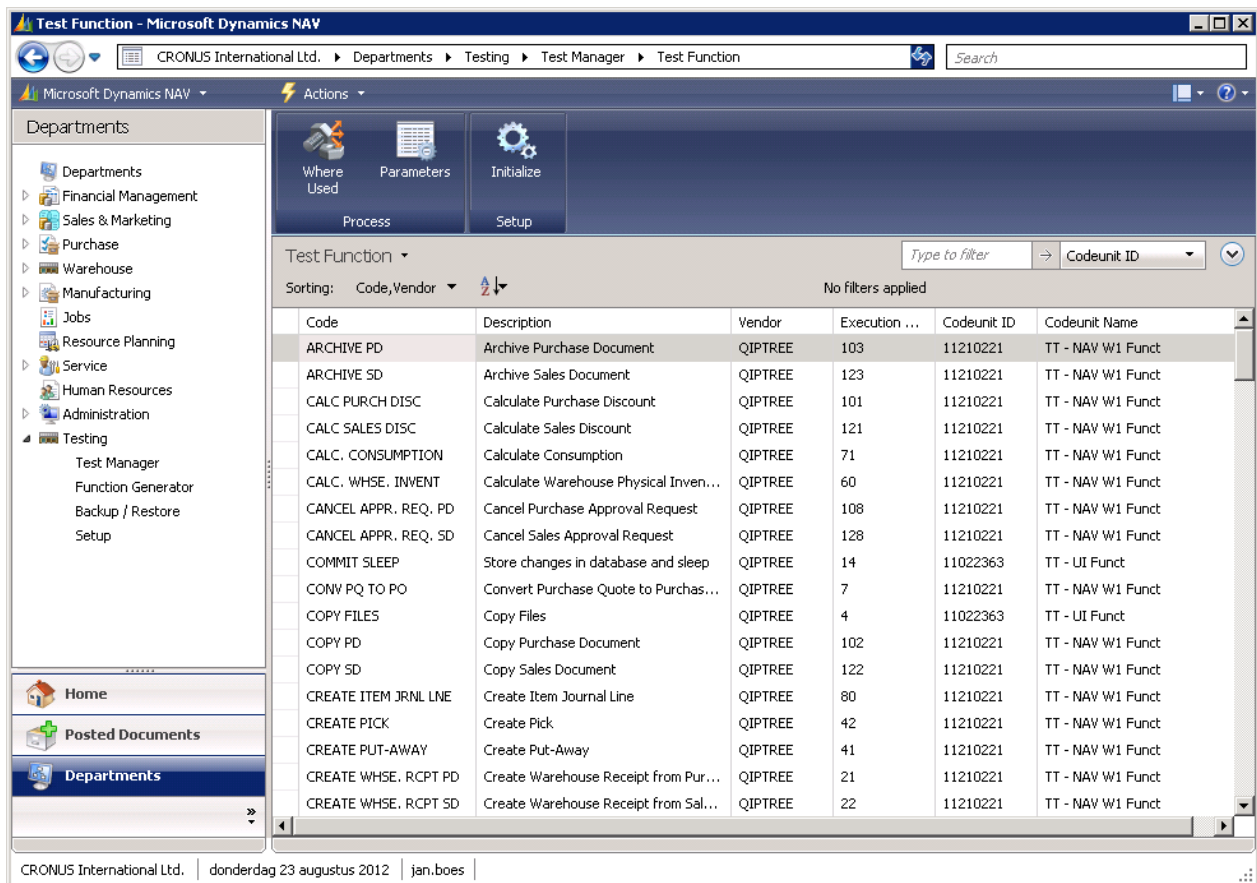


Figure 5: Function Setup

When the menu button Initialize is pressed the available functions will be displayed.