

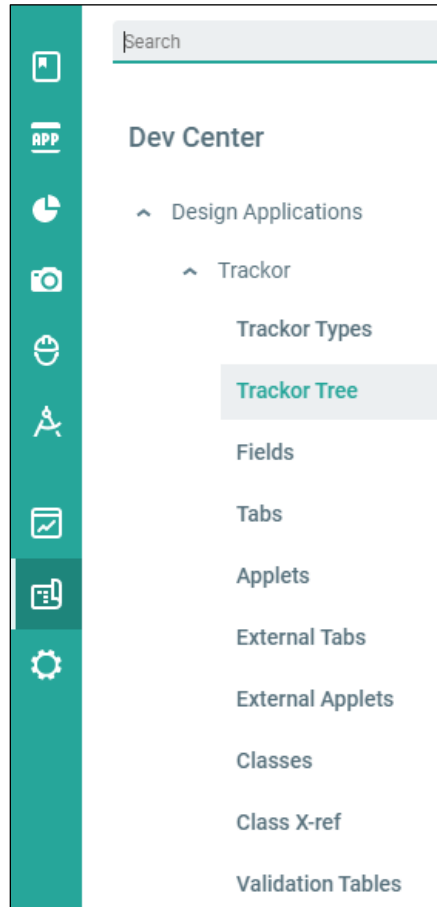
A nighttime cityscape with a network overlay of white lines and nodes connecting various points across the scene.

OneVizion

Creating an Import

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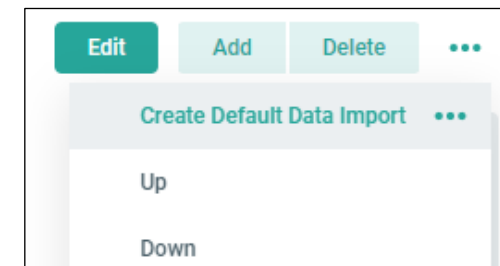
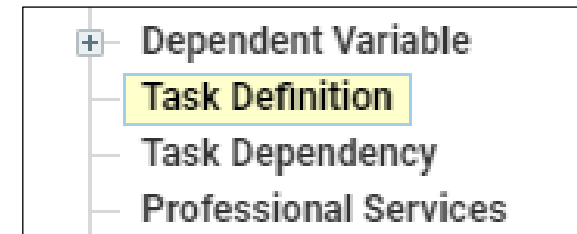
Create Default Data Import



The easiest way to jumpstart your Import building needs is to navigate to your database Trackor Tree. Either search for Trackor Tree in your menu or follow the path **Dev Center → Design Applications → Trackor → Trackor Tree**.

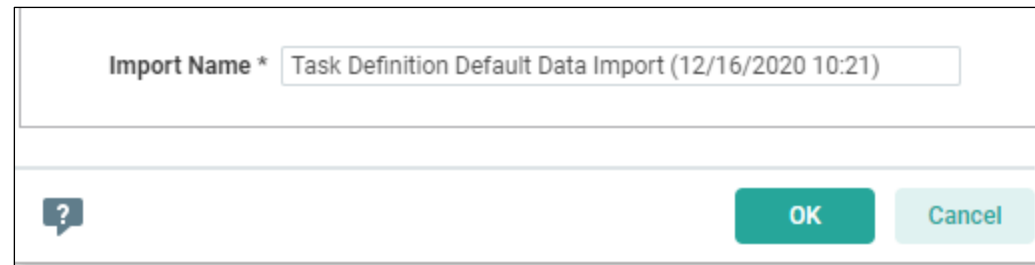
From here, click on the Trackor Type you want to be the foundation of your import. It will be boxed and highlighted.

Then, click on the ellipsis in the upper right-hand corner and click "Create Default Data Import."



Create Default Data Import

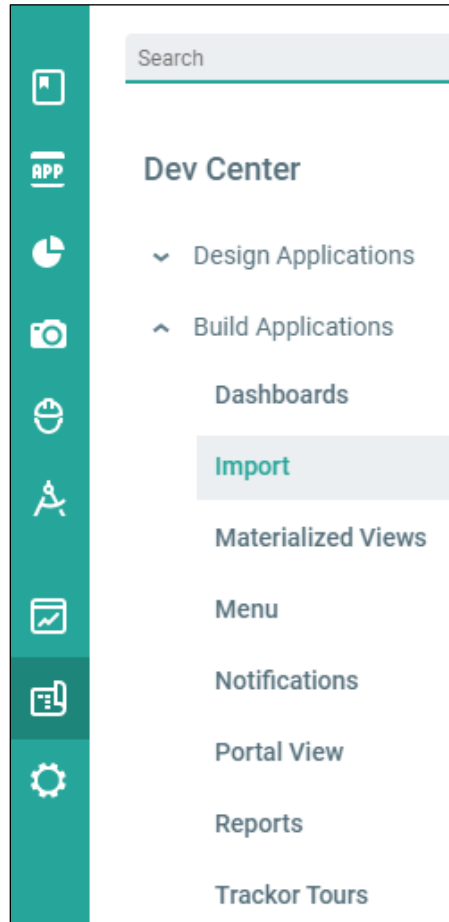
The wizard will then open a window with a proposed Import Name for your import. Most often with “Default Data Import” in the title. You can rename it to something more fitting here if you like. Then click “OK” and the system will generate the import for you.



A screenshot of a dialog box with a title bar. The main content area contains a text input field with the label "Import Name *" and the text "Task Definition Default Data Import (12/16/2020 10:21)". Below the input field is a horizontal line. At the bottom of the dialog, there is a question mark icon on the left, and two buttons on the right: "OK" (a dark teal button) and "Cancel" (a light teal button).

From here, we will go to the Administer Imports page to make edits and configure our mappings.

Administer Imports



Navigate to the Imports page by searching for Imports, or by following the path of **Dev Center → Build Applications → Import**. This will take you to the Admin Imports page where you can build and manage your data imports.

100006239	Support Attachment Default Data Import	<new line>	Comma	Double Quotes	MM/DD/YYYY	This import was generated automatically	pkg_ext_imp.XitorConfiguredFieldLoad(:rid);	No Validation
100006238	Support Email Default Data Import	<new line>	Comma	Double Quotes	MM/DD/YYYY	This import was generated automatically	pkg_ext_imp.XitorConfiguredFieldLoad(:rid);	No Validation
100006237	Support Ticket Default Data Import	<new line>	Comma	Double Quotes	MM/DD/YYYY	This import was generated automatically	pkg_ext_imp.XitorConfiguredFieldLoad(:rid);	No Validation
100006625	Task Definition Default Data Import	<new line>	Comma	Double Quotes	MM/DD/YYYY	This import was generated automatically	pkg_ext_imp.XitorConfiguredFieldLoad(:rid);	No Validation

< > 1..100 of 126 ^ [] Powered by OneVizion®

From here, find your Default Data Import, and click “Edit.” We will configure additional requirements and details.

Parts of Your Import

Import - Import ID: 100006625 - General

Import Name * Task Definition Default Data Import

External Procedure pkg_ext_imp.XitorConfiguredFieldLoad(:rid);

Actions * Update, Insert, Insert/Upd; ... Default Action

Data validation mode * No Validation Keep parsed data for days

Line Delimiter * <new line> Date Format * MM/DD/YYYY

Field Delimiter * Comma Time Format * HH24:MI:SS

String Quote * Double Quotes Max Runtime (Minutes) minutes

Performance Feature (Beta)

Description
This import was generated automatically

OK Cancel Apply

Import Name	What your import is called
External Procedure	The one generated by the system says pkg_ext_imp.XitorConfiguredFieldLoad(:rid); if you want to limit the fields your users can add to an import, delete this line.
Actions	<ul style="list-style-type: none"> • Insert (creating new records) • Insert/Update (creating new records/changing existing records) • Update (changing existing records)
Data validation mode	<ul style="list-style-type: none"> • Don't start import on errors • Warn on Errors • No validation
Line Delimiter	How the import recognizes a new line
Date Format	Recommended to use MM/DD/YYYY to fit the rest of the system
Field Delimiter	<ul style="list-style-type: none"> • Comma • Semicolon
Time Format	Recommended to use HH24:MI:SS to match the rest of the database
String Quote	Double Quotes to recognize strings
Description	If your import has specific requirements, formats, or instructions, put them in this text field.

Parts of Your Import – Fields

Import - Import ID: 100006625 - Fields

Edit Add Delete Export Up Down ...

ID	Column Name	Description
100007487	TDF ID	
100007488	TDF_ENABLED	
100007489	TDF_PROGRAM_NAME	
100007490	TDF_WORKPLAN_NAME	
100007491	TDF_TASK_NAME	
100007492	TDF_NA	
100007493	TDF_BLOCK_CALC	
100007494	TDF_PROPAGATION_OPTIONS	
100007556	TDF_PROJECT_TYPE	

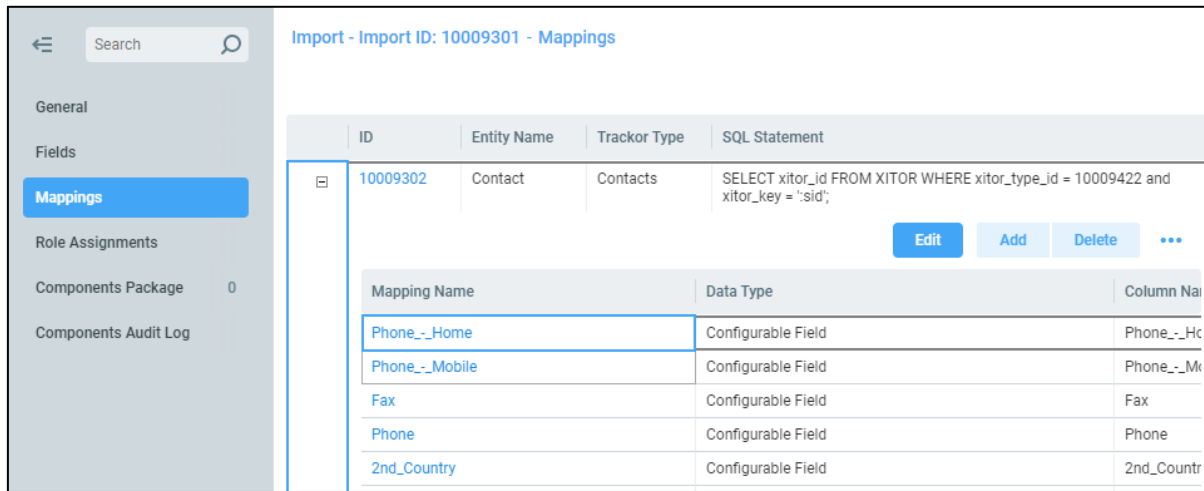
? OK Cancel Apply

On the second tab is where you list out your fields. This describes to the database what the *expected fields* for the import would be. Just answer: what does our import file look like?

You can list them either in plain text or in the field names format (e.g., “TDF_PROJECT_TYPE” versus “Project Type”)

Add additional fields by clicking “Add” and move them up or down the listing using the “Up” and “Down” buttons.

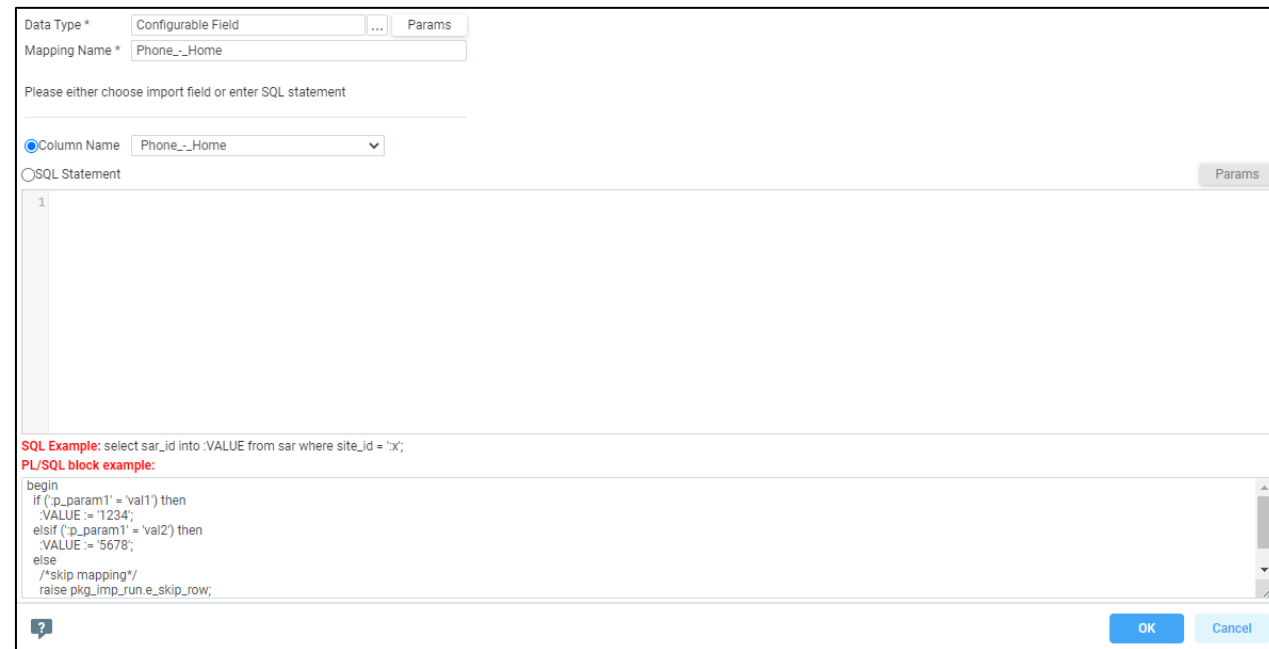
Parts of Your Import – Mappings



ID	Entity Name	Tracker Type	SQL Statement
10009302	Contact	Contacts	SELECT xitor_id FROM XITOR WHERE xitor_type_id = 10009422 and xitor_key = 'sid';

Mapping Name	Data Type	Column Name
Phone_-_Home	Configurable Field	Phone_-_Hc
Phone_-_Mobile	Configurable Field	Phone_-_Mk
Fax	Configurable Field	Fax
Phone	Configurable Field	Phone
2nd_Country	Configurable Field	2nd_Countr

The third tab helps map your fields and trackers. OneVizion's import wizard maps the tracker for you (click on the hyperlinked ID to see what that entails):



Data Type * Params

Mapping Name *

Please either choose import field or enter SQL statement

Column Name

SQL Statement Params

```
1
```

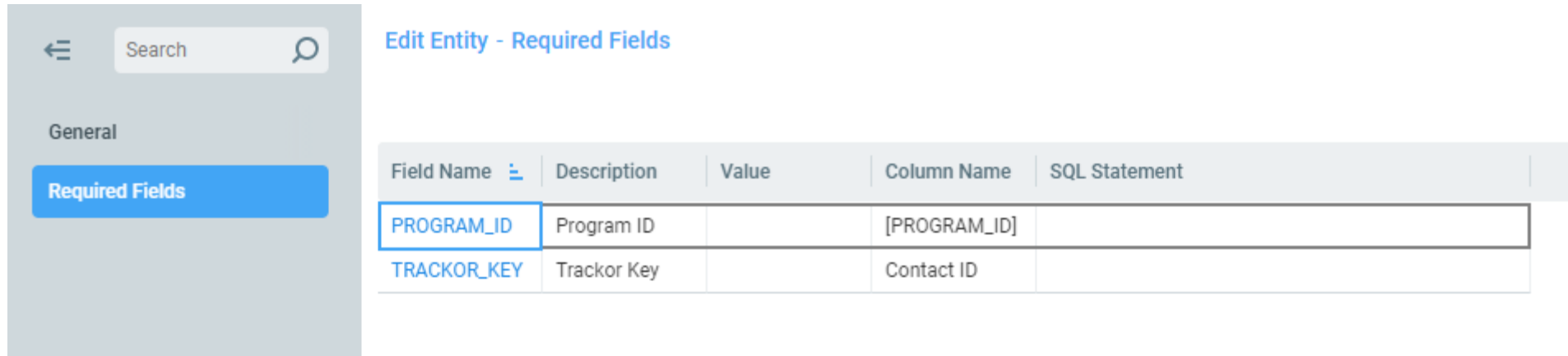
SQL Example: select sar_id into :VALUE from sar where site_id = 'x';
PL/SQL block example:

```
begin  
  if (:p_param1 = 'val1') then  
    :VALUE := '1234';  
  elsif (:p_param1 = 'val2') then  
    :VALUE := '5678';  
  else  
    /*skip mapping*/  
    raise pkg_imp_run_e_skip_row;
```

OK Cancel

Parts of Your Import – Mappings

Clicking “Required Fields” is where you can set the ID field or set if the system should Auto-Generate that during the import. In this case, it auto-generates upon import.



← Search

General

Required Fields

Edit Entity - Required Fields

Field Name	Description	Value	Column Name	SQL Statement
PROGRAM_ID	Program ID		[PROGRAM_ID]	
TRACKOR_KEY	Trackor Key		Contact ID	

Parts of Your Import – Mappings

Import - Import ID: 100006625 - Mappings

Buttons: Edit, Add, Delete, ...

ID	Entity Name	Tracker Type	SQL Statement
1002647	TaskDefinition	TaskDefinition	select distinct x1.xitor_id from xitor x1 where x1.xitor_type_id = 100006805 and x1.xitor_key = 'p_key1' and x1.program_id = 'p_pro,

Buttons: Edit, Add, Delete, ...

Mapping Name	Data Type	Column Name
TDF_ENABLED	Configurable Field	TDF_ENABLED
TDF_PROGRAM_NAME	Config Field MultiSelector	TDF_PROGRAM_NAME
TDF_WORKPLAN_NAME	Configurable Field	TDF_WORKPLAN_NAME
TDF_TASK_NAME	Configurable Field (ID Value)	
TDF_NA	Configurable Field	TDF_NA
TDF_BLOCK_CALC	Configurable Field	TDF_BLOCK_CALC
TDF_PROPAGATION_OPTIONS	Configurable Field	TDF_PROPAGATION_OPTIONS
TDF_PROJECT_TYPE	Config Field MultiSelector	TDF_PROJECT_TYPE

Buttons: OK, Cancel, Apply

You can also map the fields themselves. Below the Entity (Tracker) mapping, we have the field mappings listed. If your fields are not already listed, click “Add” (make sure to click the one below Entity; boxed in red at left).

There are several Data Types to select here, so be mindful of your use cases as you configure these. These are also for the fields you want to be affected by the import, so make sure whichever ones are listed here are visible in Fields.

Configure Your Mappings

Import - Import ID: 100006625 - Mappings

Edit Mapping - Google Chrome

dev-seavizion.onevizion.com/admin/configimport/FormMappings.do?id=1003229&ma...

Data Type * Configurable Field Params

Mapping Name * TDF_ENABLED

Please either choose import field or enter SQL statement

Column Name TDF_ENABLED

SQL Statement Params

1

SQL Example: select sar_id into :VALUE from sar where site_id = 'x';

PL/SQL block example:

```
begin
if (:p_param1' = 'val1') then
:VALUE := '1234';
elsif (:p_param1' = 'val2') then
:VALUE := '5678';
else
/*skip mapping*/
raise pkg_imp_run_o_skip_row;
end;
```

OK Cancel

1. Select your **Data Type** by clicking the ellipsis. Most often, you will probably just need “Configurable Field” (the next slide goes into case uses for each data type)
2. Skip below to the **Column Name** dropdown. Select your column from the list of options (that will fill in the **Mapping Name** above)
3. Click **Params** at the top of the box.

Variable	Value
Config Field	TDF:Enabled - TDF_ENABLED
Add V Table Value if it is not exists	No
Update even if new value = old	Yes

OK Cancel

While this may vary depending on the data type, here is where you will select the field the column corresponds to. For regular Configurable Fields, you can configure additional details.

Configure Your Mappings

Mapping Name	Data Type	Column Name
TDF_ENABLED	Configurable Field	TDF_ENABLED
TDF_PROGRAM_NAME	Config Field MultiSelector	TDF_PROGRAM_NAME
TDF_WORKPLAN_NAME	Configurable Field	TDF_WORKPLAN_NAME
TDF_TASK_NAME	Configurable Field (ID Value)	
TDF_NA	Configurable Field	TDF_NA
TDF_BLOCK_CALC	Configurable Field	TDF_BLOCK_CALC
TDF_PROPAGATION_OPTIONS	Configurable Field	TDF_PROPAGATION_OPTIONS
TDF_PROJECT_TYPE	Config Field MultiSelector	TDF_PROJECT_TYPE

Variable	Value
Configured Field Name	TDF:Program Name - TDF_PROGRAM_NAME ...
Field Value Delimiter	Comma
Append or Replace Values?	Replace ...

For Config Field MultiSelector, set the Field Value Delimiter to Comma and the Append/Replace Values? option to Replace

Config Field MultiSelector should be used to set up an import mapping data to a field with multiple options. So, for something like Program and Project Type, multiple options can be chosen. This configuration allows for that.

Mapping Tracker Selector Fields

Mapping Name	Data Type	Column Name
TDF_ENABLED	Configurable Field	TDF_ENABLED
TDF_PROGRAM_NAME	Config Field MultiSelector	TDF_PROGRAM_NAME
TDF_WORKPLAN_NAME	Configurable Field	TDF_WORKPLAN_NAME
TDF_TASK_NAME	Configurable Field (ID Value)	
TDF_NA	Configurable Field	TDF_NA
TDF_BLOCK_CALC	Configurable Field	TDF_BLOCK_CALC
TDF_PROPAGATION_OPTIONS	Configurable Field	TDF_PROPAGATION_OPTIONS
TDF_PROJECT_TYPE	Config Field MultiSelector	TDF_PROJECT_TYPE

For Config Field (ID) Value, rather than selecting a Column Name, write a brief sequel statement that selects the field and maps it.

Any time you have a selector field which you need to map to some other Tracker record (in this case, the Task Definition record selects a Workplan Task), use Configurable Field (ID Value) to do so.

Data Type * Configurable Field (ID Value) Params

Mapping Name * TDF_TASK_NAME

Please either choose import field or enter SQL statement

Column Name

SQL Statement Params

```
1 select template_task_id into :VALUE
2 from wp_tasks
3 where task_name = ':TASKNAME'
4 and wp_task_id = template_task_id;
```

SQL Ex... PL/SQ...

Variable	Value
Configured Field Name	TDF:Task Name - TDF_TASK_NAME

begin if (:p :VAL elsif :VAL else /*sk raise oka imp run.e skip row:

OK Cancel

OK Cancel

Mapping Workplan Tasks

Mapping Name	Data Type	Column Name
MR #	Configurable Field Allow NULL	MR #
Project Number	Configurable Field Allow NULL	Project Number
Location City	Configurable Field Allow NULL	Location City
Requesting Engineer	Configurable Field Allow NULL	Requesting Engineer
Driver	Configurable Field Allow NULL	Driver
Comments	Configurable Field Allow NULL	Comments
Planned Deliv Date	Workplan Date by Tracker	Planned Deliv Date
Delivery Date	Workplan Date by Tracker	Delivery Date
Pick-Up Date	Workplan Date by Tracker	Pick-Up Date

When mapping Workplan Dates by Tracker, click **Params** and select the Workplan Template, the Task Name, whether it is Start or Finish (most likely “Finish”), Date Type (Actual), and whether it’s Force Calc (No)

Data Type * Workplan Date by Tracker Params

Mapping Name * Delivery Date

Please either choose import field or enter SQL statement

Column Name Delivery Date

SQL Statement

Data Type Parameters - Google Chrome

dev-seavizion.onevizion.com/admin/configimport/FormDataTypeParams.do?im...

Variable	Value
WP Template Name	Project Workplan
Task Name	7190 - Ground Equipment Delivered On Site
Start or Finish	F
Date Type	
Force Calc	No

OK Cancel

```
SQL  
PL  
b  
? :VALUE := '5678';  
else  
/*skip mapping*/  
raise pkg_imp_run.e_skip_row;
```

OK Cancel

A nighttime cityscape with a network overlay of white lines and nodes connecting various points across the scene.

OneVizion

Running an Import (Import Task Dates)

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Exploring the WP Template

WP Task NA Import TEMPLATE

WP Task Dates Import TEMPLATE

WP Task Dates Import

Samsung WP Template - Reference

The WP Import Template has four tabs that you can use to understand and build your template.

- WP Task NA Import TEMPLATE: This is for N/A-ing project tasks
- WP Task Dates Import TEMPLATE: This walks through the import mechanics
- WP Task Dates Import: This is where you will put your Project IDs, Workplans, and Task Dates
- Samsung WP Template – Reference: This is meant to help fill out your Import file. It is a list of your tasks and their order numbers.

WP Task NA Import TEMPLATE

WP Task NA Import TEMPLATE

Project ID	WP Name	NA10	NA100	NA300
	Project Workplan	"Yes", "Y", "1"		
		"No", "N", "0"		

This import will allow you to N/A (or un-N/A) a given task across your various projects.

- Project ID: List the Project ID
- WP Name: This will be the workplan name. For your imports, use "Project Workplan"

Every column after that will be for your tasks. Type "NA" and then the order number of the task (e.g., NA10, etc.).

To NA a task, type "Yes", "Y", or "1"; to un-N/A a task, type "No", "N", "0"

WP Task Dates Import

WP Task Dates Import

This is an example of what your import will look like. This is a test import I ran that shows the Project ID, WP Name, and some example tasks with dates to be actualized.

Project ID	WP Name	AF900	AF1000	AF1050	
TST000023-B-001	Project Workplan	6/12/2020	7/10/2020	7/17/2020	
TST000006-A-006	Project Workplan	11/3/2020	11/10/2020		

Samsung WP Template - Reference

Samsung WP Template - Reference


Task	Order Number	Duration	Predecessor	Successor	Discp	WBS	Tracker Related	Required?
Project Created	10	0		100FS	ADM	0.0.10	Project	YES
Project Start	100	1	10	300FS, 900FS, 1000FS	PM	1.DEF.100	Project	YES
Site Selection and Field Survey	300	10	100	800FS	SD	1.DEF.300	Project	NO
Project Plan Submitted (SCIP)	800	5	300	1000FS	SD	1.DEF.800	Project	NO
POR Confirmed	900	1	100	2110FS, 2165FS	SD	1.DEF.900	Project	NO

Because you may not have the order number memorized for all of your tasks, the Samsung WP Template – Reference tab is meant to be an index of your latest workplan (as of December 9, 2020) with the tasks and their order numbers. It also contains additional information about those tasks including their duration, discipline, and whether or not it's required.

Importing the Task Dates

Project ID	WP Name	AF900	AF1000	AF1050
TST000023-B-001	Project Workplan	6/12/2020	7/10/2020	7/17/2020
TST000006-A-006	Project Workplan	11/3/2020	11/10/2020	

After you fill out your Project ID, your Project Workplan, and your dates, go into your Imports (Info Center → Data Ingestion → Import Data; or search “Import Data” in your menu search bar). From the list, select “Import Task Dates to Project WorkPlans.”

10017206		Import Task Dates to Project WorkPlans	<new line>	Comma
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Importing the Task Dates

The screenshot shows a web browser window with the URL `dev-seavizion.onevizion.com/configimport/RunImport.do?id=10017206`. The form is titled "Run Import - Import Task Dates to Project WorkPlans".

Import File

File Name: WP NA and Dates Import Templates - Samsung.xlsx
Excel Sheet: WP Task Dates Import
Action: Insert/Updat
Is Incremental:

Schedule


Run Now At a specific time
15 : 25 12/09/2020
Comments:
Max Runtime (Minutes) minutes

Expected Columns	Supplied Columns
	Project ID
	WP Name
	AF900
	AF1000
	AF1050

? OK Cancel

Select the file, and make sure the Excel Sheet is “WP Task Dates Import.” This has your import. Make sure the Supplied Columns show the Project ID, WP Name, and then whatever tasks you are actualizing listed after that.

Importing the Task Dates

T:Task	P:Project ID	P:Migration Phase	P:Migration Sub-Phase	T:Order Number 	T:Baseline	T:Forecast	T:Actual	T:N/A	T:Block Calc
POR Confirmed	TST000023-B-001	Planning	Site Acq	900	06/12/2020	06/12/2020	06/12/2020	<input type="checkbox"/>	<input type="checkbox"/>
Plan Approved and Site Selected	TST000023-B-001	Planning	Site Acq	1000	07/10/2020	07/10/2020	07/10/2020	<input type="checkbox"/>	<input type="checkbox"/>
Preliminary RFDS Received	TST000023-B-001	Planning	Site Acq	1050	07/17/2020	07/17/2020	07/17/2020	<input type="checkbox"/>	<input type="checkbox"/>

Now when we check the Actualized Dates, we see the dates from our spreadsheet are now in the database.

Troubleshooting Imports

! Import [Import Task Dates to Project WorkPlans](#) ...

- 12/17/2020 12:28 Executed with Warnings
- 12/17/2020 12:28 Running: "Import Complete" rules
- 12/17/2020 12:28 Running: importing data
- 12/17/2020 12:28 Running: "Import Start" rules
- 12/17/2020 12:28 Pending
- 12/17/2020 12:28 Running: ...
- 12/17/2020 12:28 ...

When running the import, if you get the orange exclamation point, that means something didn't quite work. Click on the hyperlink to read the import log.

Import Details - Process ID: 1066476 - Import Log

DB Message	Warning Type	Row Number	SQL Statement	Mapping Name
Bad Data: "9/30/20200" Xitor Key: "TST000001-A-002" Column: "AF1000" ORA-01830: date format picture ends before converting entire input string	Data	1		
Exception during processing task. Order Number: "1000" Workplan ID: "100131837" ORA-01830: date format picture ends before converting entire input string ORA-06512: at "PROD01.PKG_EXT_IMP", line 1061 ...	Data	1		


In most cases, the Import Log will show the errors that the import encounters. (Keep in mind the row number will be one less than the row number in the spreadsheet because the import ignores the header row)


Retrieving Import Files

If you need to retrieve an Import file (for troubleshooting or for an easy template), go to the Import Data page and click on the Import History icon.

Import ID	Import Name	Line Delimiter	Field Delimiter
10017206	Import Task Dates to Project WorkPlans	<new line>	Comma

Import Details - Process ID: 1066479 - General

Import ID: 10017206
Submitted: 12/17/2020 12:36:02
Scheduled: 12/17/2020 12:36:02
Actual Start: 12/17/2020 12:36:02
Finished: 12/17/2020 12:36:02
Rows Processed: 1 of 1
Cells count: 8
PK Count: 8
Import File: 

Import Name: Import Task Dates to Project WorkPlans
Status: Executed without Warnings 
Action: Insert/Update
Owner: Iwiseman
CSV Parsing Runtime: 0.000
PK Searching Runtime:
Data Importing Runtime:

Comments:

OK Cancel Apply

Click on the Process ID (check the timestamp), then click the Import File icon. This will give you the Excel document used in the import.