**ATP Script Assistant**

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# **Installing the ATP Script Assistant**

Install one of the X3 patches as required from the Development > Utilities > Patches > Patch integration menu on the folder where you wish to use ATP Script Assistant.

* src\_ATP\_Script\_Assistant-xxxx\_X3\_ADX.dat : Version with compiled processes for X3 (xxxx is the version number)
* src\_ ATP\_Script\_Assistant -xxxx\_GX\_ADX.dat : Version with compiled processes for GEODE (xxxx is the version number)

Install the Syracuse patch for X3 from the menu Administration > Utilities > Imports > Import tool :

* Syracuse\_ ATP\_Script\_Assistant\_Menu.json

Or create a menu entry pointing to the (classic) ATP Script Assistant function and add the menu entry to the Exploitation module (necessary as this is the only way to work with classes/representations).

If you are not logged in with an ADMIN profile, add functions XATP and XATPV to your function profile to be able to use the program.

# **Running ATP Script Assistant**

The ATP Script Assistant program is a wizard for generating an ATP script (.feature) from a classic function or a Syracuse function.

***Since version 3.3.01, the file extension is now “.txt” to prevent the browser from freezing when transferring the file to the client workstation. Simply rename it to “.feature” once on the client workstation.***

This program can be run directly from a classic function via the menu :

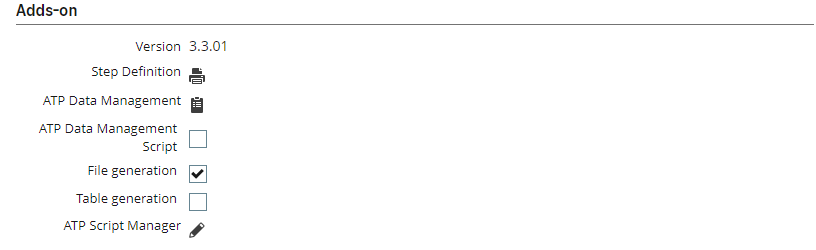
* Utilities > ATP Script Assistant
* Via the ATP Script Assistant function (menu Usage > Usage > ATP Script Assistant)

For a Syracuse function, you can only use the ATP Script Assistant function (menu Usage > Usage > ATP Script Assistant).

# **Launch screen – ATP Script Assistant**

Une image contenant texte, capture d’écran, affichage, nombre

Description générée automatiquement

 Une image contenant texte, capture d’écran, nombre, Parallèle

Description générée automatiquement

If we are in a classic function and run the generation process, the “Screen value” box is checked. This tells the process to take into account the values on the screen, instead of putting the empty value in each of the fields.



In the case of an object, you can choose the type of script (Creation, Modification or Deletion).

The most complete script is the creation script, which contains all fields

Une image contenant texte, capture d’écran, Police, ligne

Description générée automatiquement

“Mandatory area only” only takes into account fields marked as mandatory (in the screen dictionary or in classes/representations).

The “filled field only” only takes into account fields that have a value on the screen (and therefore only works if the program is launched from a classic function).

Use only Code X3 instead of zone labels



You can generate scripts with “Scenario Outlines” or “User Stored Values” (otherwise you're limited to entering one line). And you can choose the number of lines to be displayed. This option is only available for classic functions

Une image contenant texte, capture d’écran, Police, ligne

Description générée automatiquement

The “Empty value” corresponds to the value that will be displayed in the script if there is nothing entered in a zone. The default value is XXXXXXXXXX.



The Screenshot option lets you take screenshots. By default, it is applied after each screen block.



The Menus/buttons and Left lists options provide sample scripts for the menus/buttons and left lists associated with the function.

Une image contenant texte, Police, capture d’écran, conception

Description générée automatiquement

In the case of a Syracuse function, the ATP Script Assistant program cannot be launched directly. You must therefore use the dedicated function and select the representation to be used for the ATP script.

Une image contenant texte, ligne, Police, capture d’écran

Description générée automatiquement

Table code: Contains the code of the table associated with the representation, if any. Automatic retrieval.

Filter: To filter the main table to retrieve data to be put into the representation's ATP script (possibility of using the form wizard for the filter).

Une image contenant texte, nombre, Police, capture d’écran

Description générée automatiquement

In the case of a classic function, we select the starting function. From here, processing will evaluate the associated windows (in the case of a sales order, for example, with several input transactions, you may find yourself choosing between several windows).

The list of screens associated with the window will appear in the screen table. You can then check/uncheck the screens to take them into account or not in the ATP script.

Une image contenant texte, capture d’écran, nombre, logiciel

Description générée automatiquement

If you ever want to use a particular window that is not directly associated with the function, you can check the “Out of function” box.



Si la case « Hors fonction » est cochée, on peut choisir n’importe quelle fenêtre de X3.

Une image contenant texte, Police, ligne, nombre

Description générée automatiquement

# **Using the GraphQL script.**

To generate an ATP script for a GraphQL query, check the “GraphQL” box on the screen. 2 scenarios appear. One for a Query and one for a Mutation.

Enter the name of the file containing the GraphQL query (.graphql) in the “GraphQL Script” box. Enter the name of the file containing the Json (.json) response in the “Json Script” box.

Une image contenant texte, capture d’écran, ligne, Police

Description générée automatiquement

0402A-gql-query-read-sales-quote-request**.graphql**

Une image contenant texte, capture d’écran, logiciel, Logiciel multimédia

Description générée automatiquement

0402A-gql-query-read-sales-quote-response**.json**

Une image contenant texte, capture d’écran, logiciel, Logiciel multimédia

Description générée automatiquement

# **Adds-on**

An icon to access script management (see the chapter on ATP Script Manager)



An icon to print the Step Definition list



Une image contenant texte, capture d’écran, nombre, logiciel

Description générée automatiquement

The ability to choose whether to generate the script in a file (.txt) and/or in a table (to be able to manage modifications later from within X3)

Une image contenant texte, Police, capture d’écran, conception

Description générée automatiquement

# **ATP Data Management**

The ATP Data Management function is accessed from the ATP Script Assistant screen by clicking on the corresponding icon.



Or directly from the menu Usage > Usage > ATP Data Management

This function manages data that can be used in a script (the user launching the script must have ATP Data Management rights).

At the start of the ATP script, you'll need to insert access to the “ATP Data Management” function, pass the codes to it and retrieve the results in stored variables so that you can use them later in the script if necessary.

An example of code using ATP Data Management can be generated automatically by checking the “ATP D.M. Script” box.)



Codes and formulas can be found in the ATP Data Management function.

Une image contenant texte, capture d’écran, Police, nombre

Description générée automatiquement

Variable values can be used, as in the following example. Each time an entry is made, the value is re-evaluated and may therefore change if this is specified in the associated Funprog.

Une image contenant texte, ligne, Police, nombre

Description générée automatiquement

The ALEA\_TABLE Funprog in XATPVALUE processing can be used to obtain a random value for a table field based on the following parameters:

**Funprog** ALEA\_TABLE(ZTABLE,ZCHAMP,ZINDICE,ZLIMITE,ZCRITERE)

**Value** **Char** ZTABLE() :# Table code X3

**Value** **Char** ZCHAMP() :# Field code in the table

**Value** **Integer** ZINDICE :# Field index (in the case of an indexed field, otherwise 0)

**Value** **Integer** ZLIMITE :# Table browsing limit (0 No limit otherwise first N records)

**Value** **Char** ZCRITERE() :# Table filter criteria

# 🡺 The return variable is of type Char and contains the result of the Funprog.

So if we go back to our example:

*Func XATPVALUE.ALEA\_TABLE("BPCUSTOMER","BPCNUM",0,1000,"BCGCOD='FR' & BPCSTA=2")*

We'll browse the **BPCUSTOMER** table to retrieve the value of the **BPCNUM** field.

As this is not an **indexed field**, we leave the index at **0**.

In the **limit**, we've set the value to **1000**. This means we'll randomly select a customer from the first 1000 records in the BPCUSTOMER table who meets the following **criteria** : **BCGCOD='FR' & BPCSTA=2** (customer category = FR and active customer).

This value is re-evaluated each time the code is recalled.

**You can create your own programs under X3 (L4G) to make your tests more dynamic (for example, having a different customer for each test to create a sales order).**

Fixed values can also be used, although in this case this can be done directly in the ATP script).

Une image contenant texte, capture d’écran, ligne, Police

Description générée automatiquement

You can also use the “ATP Data Management” menu under the classic functions in the Utilities menu to create or read values directly.

Une image contenant texte, Police, capture d’écran, conception

Description générée automatiquement

Une image contenant texte, capture d’écran, ligne, Police

Description générée automatiquement

If an existing parameter (P) is entered, the corresponding value is loaded into the value field (V).

If a non-existent parameter (P) is entered, a value (V) can be associated with it, and the parameter/value pair is saved.

Une image contenant capture d’écran, texte, ligne, Police

Description générée automatiquement

*Example of use in an ATP script: (Store the value AE001 in parameter CUSTOM01 / Read parameter CUSTOM01 to store the result in a variable that can be used later in the code)*

*Scenario: ATP Data Management (Update)*

*# ATP Data Management*

*And the user opens the header drop down*

*And the user opens the "Utilitaires" section on the right panel*

*And the user clicks the "ATP Data Management" secondary action button on the right panel*

*And the modal dialog "ATP" is displayed*

*# Parametre*

*And the user selects the text field with name: "P"*

*And the user writes "CUSTOM01" to the selected text field and hits tab key*

*# Valeur*

*And the user selects the text field with name: "V"*

*And the user writes "AE001" to the selected text field and hits enter key*

*Scenario: ATP Data Management (Read)*

*# ATP Data Management*

*And the user opens the header drop down*

*And the user opens the "Utilitaires" section on the right panel*

*And the user clicks the "ATP Data Management" secondary action button on the right panel*

*And the modal dialog "ATP" is displayed*

*# Lecture Parametre*

*And the user selects the text field with name: "P"*

*And the user writes "CUSTOM01" to the selected text field and hits tab key*

*# Recupération de la valeur associée + Sauvegarde dans une variable*

*And the user selects the text field with name: "V"*

*Then the user stores the value of the selected text field with the key: "ENV\_RESULTAT\_CUSTOM01"*

*Scenario: ATP Data Management (Exit)*

*# Sortie ATP Management*

*And the user waits 1 seconds*

*Then the user clicks the Close page action icon on the header panel*

# **ATP Script Manager**

When generating an ATP script, you can check the “Table generation” option.



The generated script is then stored in an X3 table. It can be accessed using the icon

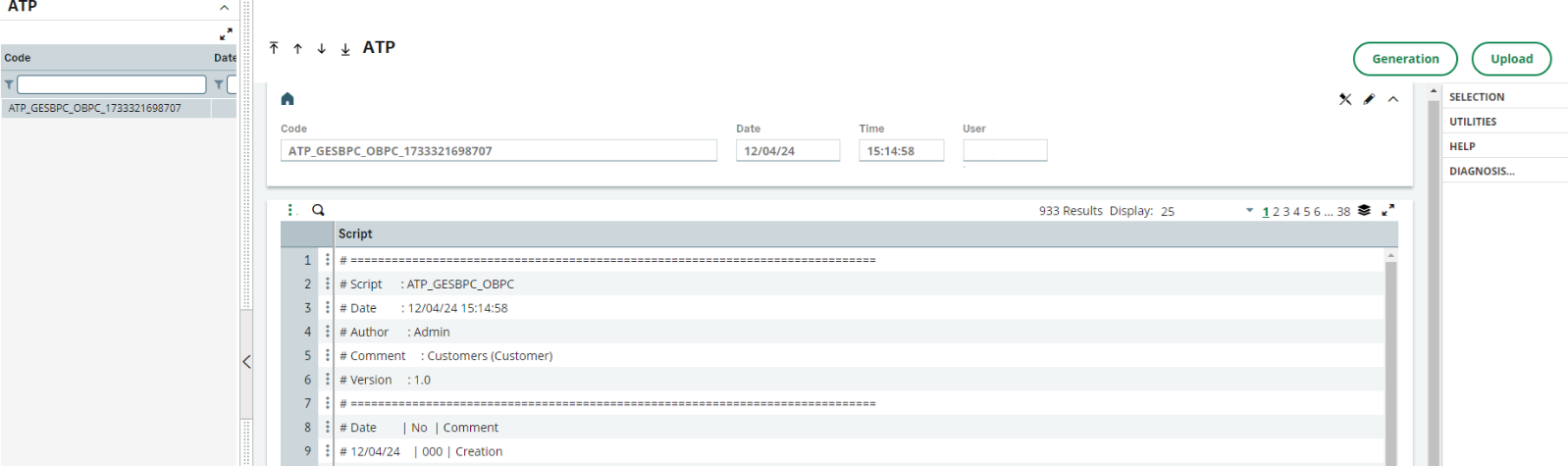


The next screen appears, containing:

- A left-hand list of saved scripts

- A central page with the chosen script (Code, Date, Time, User)

- ‘Generation’ and ‘Upload’ buttons



The script can be deleted using the “Delete” button.

You can modify the script. The script must then be saved.

Use the “Generate” button to recreate the file (.feature).

Une image contenant Police, texte, Graphique, logo

Description générée automatiquement

The “Upload” button is used to load an external script so that modifications can be made in X3.

Une image contenant Police, Graphique, logo, texte

Description générée automatiquement

Une image contenant texte, capture d’écran, Police, ligne

Description générée automatiquement



Select script code to save

Une image contenant texte, capture d’écran, Police, ligne

Description générée automatiquement

Une image contenant texte, capture d’écran, Police

Description générée automatiquement

When modifying a script, you can modify, insert or delete a line.

You can also add Templates to the script. To do this, position yourself on the line where the script is to be inserted and click on the “ATP Template” table menu.

Une image contenant texte, capture d’écran, Police, ligne

Description générée automatiquement

This will take us to the Template management screen, where we can select the template to be applied. Voir la fonction Gestion des Template pour plus de détail).

Une image contenant texte, capture d’écran, nombre, logiciel

Description générée automatiquement

When you click on “Ok”, the template is transferred to the original script. All that remains is to save the modified script and regenerate the file (.feature).

Une image contenant texte, Police, capture d’écran, ligne

Description générée automatiquement

# **Template management**

Templates can be defined to reuse code as required.

To do this, go to the Template management screen

Une image contenant texte, capture d’écran, ligne

Description générée automatiquement

The “No” field corresponds to the Template number. If you leave it blank and click on “Update”, the process switches to creation mode. You can select a number from among the registered Templates to load the associated information.

Une image contenant texte, Police, capture d’écran, nombre

Description générée automatiquement

The “Template” zone corresponds to the Template definition.



The table corresponds to the instructions that will be added to the script (none of the fields in this table are mandatory). It is primarily a code entry wizard.

The first column contains the “Instruction”. This is a key word in the Gherkin language.

You can use the selection to help you, type the keyword or leave it blank.

Une image contenant texte, capture d’écran, nombre, Police

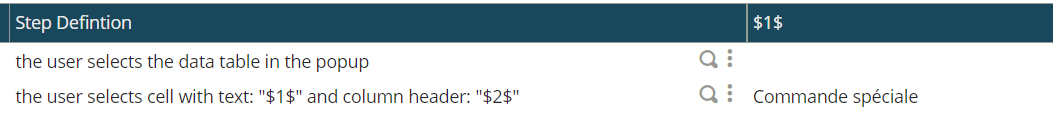
Description générée automatiquement

The second column corresponds to the Step Definitions specific to X3. As with the first column, you can use the selection to choose your Step Definition, or type your instruction or comment (with a # at the beginning of the line).

Une image contenant texte, Police, ligne, nombre

Description générée automatiquement

The last columns $1$, $2$, $3$, $4$ and $5$ are there to replace the $x$ in the Step Definition with its value in the table.



On output, the generated script includes all the lines of the Template, with a concatenation of the “Instruction” and the “Step Definition” (so the $x$ are transformed).

To delete a Template, position yourself on the Template and click on the “Delete” menu. A confirmation message will appear for verification.

To modify a Template, position yourself on the Template, make the modifications and click on the “Update” menu. A confirmation will appear for verification.

Une image contenant texte, Police, capture d’écran, conception

Description générée automatiquement

To create a template, either start from an empty page (by clicking on the “New” menu), or start from an existing template. Set the “No” field to 0 and click on the “Update” button. A confirmation message will appear for verification.

Une image contenant texte, capture d’écran, Police, ligne

Description générée automatiquement



A new number will be assigned automatically.

Une image contenant texte, capture d’écran, Police, ligne

Description générée automatiquement