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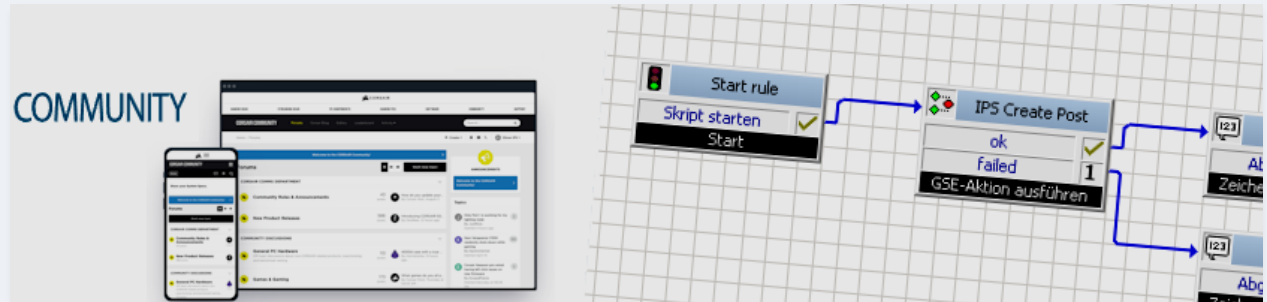
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APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - 0 - Introduction

Followers

0

VBScript

Lua

This extension provides an integration of the **Invision Power Services (IPS) - Invision Community** into the SwyxWare call routing. It

- integrates into the Invision Power Services (IPS) - Invision Community
- comes for **VBscript based** and **Lua based** call routing
- requires **SwyxWare 12.40** (or newer) for **VBScript based** call routing
- requires **SwyxWare 13.20** (or newer) for **Lua based** call routing

The Invision Community is a Content Management System (CMS) providing **forums, blogs, downloads, galleries, clubs**, etc. The Swyx Forum page for example uses the Invision

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind

Community.

This integration provides the following functionality as GSE Action within the SwyxWare call routing:

- **Create Topic** (a new forum topic)
- **Create Post** (a new post with an existing topic)
- **Create Blog Comment**
- **Create Download Comment**
- **Create Page Comment**
- **Create Message** (a private message from a given user to any number of users)

The integration makes use of the [Invision Power Services \(IPS\) REST API](#).



Please refer to the [Forums](#) to discuss the Invision Power Services (IPS) extension or for support requests.



Please find the download for this project [here](#).



For the complete documentation explaining the setup, usage and all included examples just read the following chapters from the menu on the left.

As with all other Swyx Forum Open Source Projects, Support is **EXCLUSIVELY** provided in the Project Froum (see link above).

Lua based call routing has been introduced to SwyxWare in version **13.10** on. As of the time of the release of the Invision Power Services (IPS) Integration extension the Lua based call routing is still in **BETA state** and should not be used in productive environments. However, this project already comes also for **Lua based** call routing as an example of its ease of use.

License

Invision Power Services (IPS) Integration
v1.0.0

This is a Swyx Forum Open Source Project.

<https://www.swyxforum.com/projects/>

<https://www.swyxforum.com/ipsintegration/introduction/0-introduction-r2/>

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WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

For the VBScript based integration this project also includes the following Open Source project:

JSON object class 3.5.4 - May, 29th - 2016

Licence:

The MIT License (MIT)

Copyright (c) 2016 RCDMK - rcdmk[at]hotmail[dot]com

<https://github.com/rcdmk/aspJSON>

<https://github.com/rcdmk/aspJSON/blob/master/README.md>

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CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Modifications needed for SwyxWare Call Routing
Tom Wellige, 03.05.2017

For the Lua based integration this project also includes the following Open Source project:

Simple JSON encoding and decoding in pure Lua.
Copyright 2010-2016 Jeffrey Friedl

<http://regex.info/blog/>
Latest version: <http://regex.info/blog/lua/json>

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- 1) the copyright notice above is maintained
- 2) the web-page links above are maintained
- 3) the 'AUTHOR_NOTE' string below is maintained



By Tom Wellige
August 26, 2024

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APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - 1 - Preparations

Followers

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VBScript

Lua

[Download](#) the latest version of this project.

Additionally you need to create a **REST API Key** in your IPS community webpage. This key will be used for authentication against the community when using this projects' GSE actions.

1. Open the **Admin Control Panel (APC)** of your community and navigate to **System - Site Features - API**

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

A.4 - Example: Create Download Comment

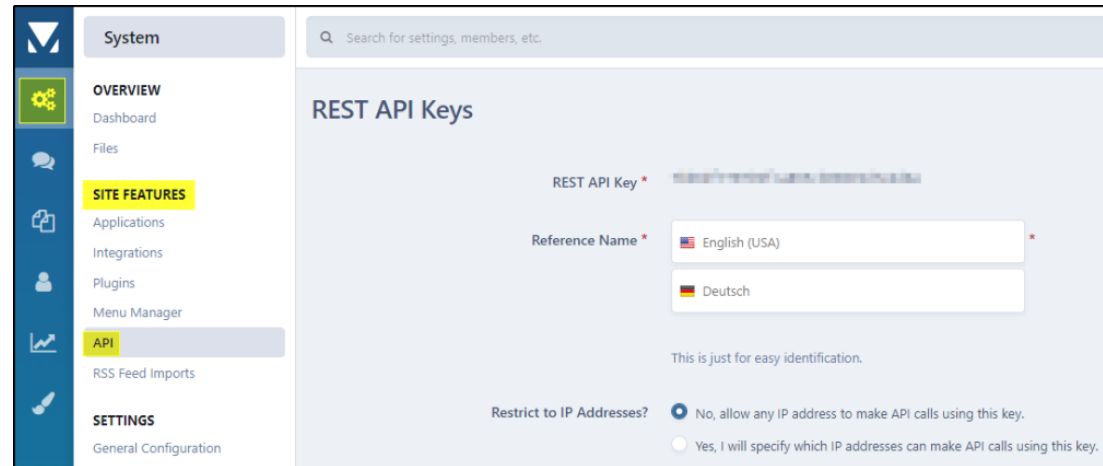
A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind

2. Switch to the **REST API Keys** tab and hit the **Create New** button



The screenshot shows a web interface for managing REST API keys. On the left is a sidebar menu with categories: System, OVERVIEW (Dashboard, Files), SITE FEATURES (Applications, Integrations, Plugins, Menu Manager), API (RSS Feed Imports), and SETTINGS (General Configuration). The 'API' section is highlighted. The main content area is titled 'REST API Keys' and contains a form. The form has a 'REST API Key' field with a generated key, a 'Reference Name' dropdown menu with 'English (USA)' and 'Deutsch' options, and a 'Restrict to IP Addresses?' section with two radio buttons: 'No, allow any IP address to make API calls using this key.' (selected) and 'Yes, I will specify which IP addresses can make API calls using this key.'.

3. Define a **name** for the key and define if you want to **restrict** the access to the REST API of your community to one or more IP addresses.

4. Define the **endpoint permissions**, that means which precise API endpoints can be accessed by this REST API Key.

For the different GSE actions of this project you need to set the permissions on different endpoints:

- Create Topic

Forums				
► Forums	No endpoints accessible			
► Posts	No endpoints accessible			
▼ Topics				
☐ Access	☐ Log	GET	/forums/topics	
☐ Access	☐ Log	GET	/forums/topics/{id}	
☐ Access	☐ Log	GET	/forums/topics/{id}/posts	
☒ Access	☒ Log	POST	/forums/topics	
☐ Access	☐ Log	POST	/forums/topics/{id}	
☐ Access	☐ Log	DELETE	/forums/topics/{id}	

- Create Post

Forums				
► Forums	No endpoints accessible			
▼ Posts				
☐ Access	☐ Log	GET	/forums/posts	
☐ Access	☐ Log	GET	/forums/posts/{id}	
☐ Access	☐ Log	POST	/forums/posts/{id}/react	
☐ Access	☐ Log	DELETE	/forums/posts/{id}/react	
☒ Access	☒ Log	POST	/forums/posts	
☐ Access	☐ Log	POST	/forums/posts/{id}	
☐ Access	☐ Log	DELETE	/forums/posts/{id}	
☐ Access	☐ Log	POST	/forums/posts/{id}/report	

- Create Blog Comment

Blog				
▶ Blogs No endpoints accessible				
▶ Categories No endpoints accessible				
▼ Comments				
☐	Access	☐	Log	GET /blog/comments
☐	Access	☐	Log	GET /blog/comments/{id}
☒	Access	☒	Log	POST /blog/comments
☐	Access	☐	Log	POST /blog/comments/{id}
☐	Access	☐	Log	DELETE /blog/comments/{id}
☐	Access	☐	Log	POST /blog/comments/{id}/react
☐	Access	☐	Log	DELETE /blog/comments/{id}/react
☐	Access	☐	Log	POST /blog/comments/{id}/report

- Create Download Comment

Downloads				
▶ Categories No endpoints accessible All / None				
▼ Comments				
☐	Access	☐	Log	GET /downloads/comments
☐	Access	☐	Log	GET /downloads/comments/{id}
☒	Access	☒	Log	POST /downloads/comments
☐	Access	☐	Log	POST /downloads/comments/{id}
☐	Access	☐	Log	DELETE /downloads/comments/{id}
☐	Access	☐	Log	POST /downloads/comments/{id}/react
☐	Access	☐	Log	DELETE /downloads/comments/{id}/react
☐	Access	☐	Log	POST /downloads/comments/{id}/report

- Create Page Comment

Pages			
▶ Database Categories		No endpoints accessible	
▼ Database Comments		All / None	
☐ Access	☐ Log	GET	/cms/comments/{database_id}
☐ Access	☐ Log	GET	/cms/comments/{database_id}/{id}
☒ Access	☒ Log	POST	/cms/comments/{database_id}
☐ Access	☐ Log	POST	/cms/comments/{database_id}/{comment_id}
☐ Access	☐ Log	DELETE	/cms/comments/{database_id}/{comment_id}
☐ Access	☐ Log	POST	/cms/comments/{database_id}/{comment_id}/react
☐ Access	☐ Log	DELETE	/cms/comments/{database_id}/{comment_id}/react
☐ Access	☐ Log	POST	/cms/comments/{database_id}/{comment_id}/report

- Create Message

System			
▶ Clubs		No endpoints accessible	
▶ Groups		No endpoints accessible	
▶ Hello		No endpoints accessible	
▶ Members		No endpoints accessible	
▼ Messages		All / None	
☒ Access	☒ Log	POST	/core/messages
☐ Access	☐ Log	POST	/core/messages/{id}
☐ Access	☐ Log	DELETE	/core/messages/{id}

5. Hit the **Save** button at the bottom of the page.

6. The needed **REST API Key** is now displayed in the overview list of created keys.

API

The REST API provides a way for developers to consume and create data for third-party applications and websites. The API can be accessed either using OAuth 2.0 or with an API key. [Learn More](#) ↗.

OAuth Clients

REST API Keys

API Logs

REST API Reference

Webhooks

Webhooks Reference

API Keys provide a simpler alternative to OAuth for accessing the REST API without being associated with a particular user.

+ Create New

Search...

Test

7bb6df7707b9fca865cb60492d7e2d4e



(The above key is of course not valid to access the Swyx Forum API 😊)



By Tom Wellige

August 26, 2024

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APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - 2 - Setup GSE Actions

Followers

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VBScript

Lua

The **Invision Power Services (IPS) Integration** extension is designed as a set of GSE actions. To install the GSE actions you need to use the **SwyxWare Administration**.

Step 1

Open the SwyxWare Administration and open the properties of your Swyx Server.

Step 2

Switch to the **Files** page and click on **Edit....**

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

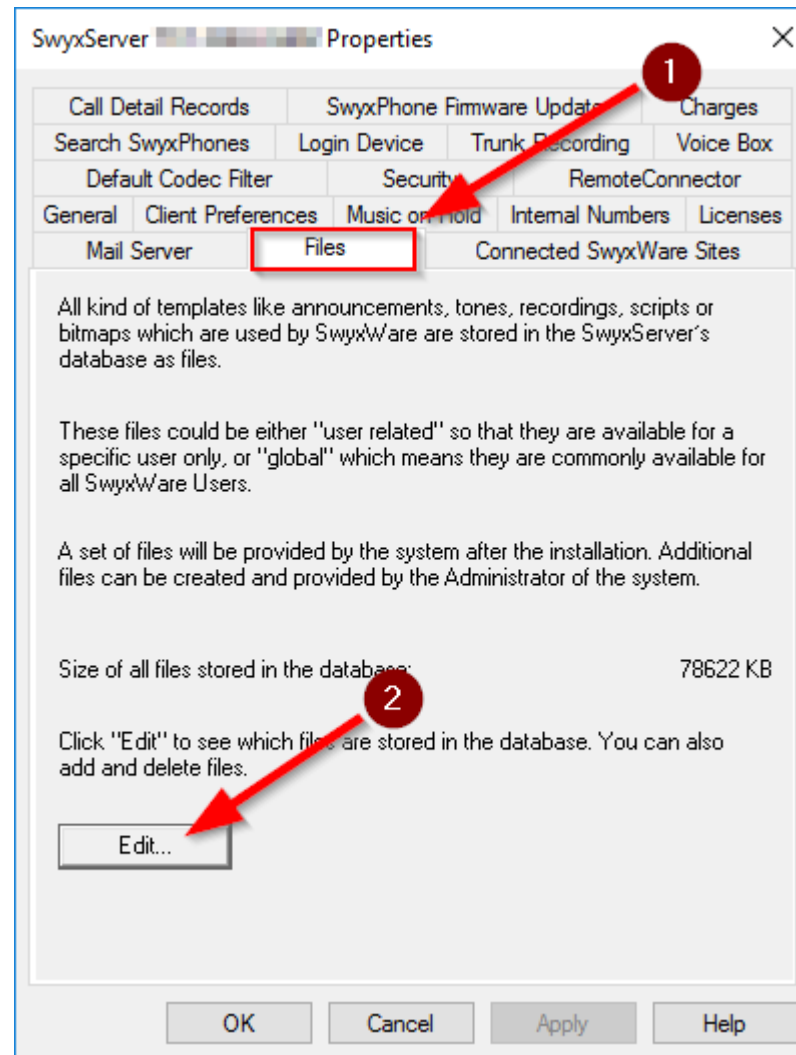
A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

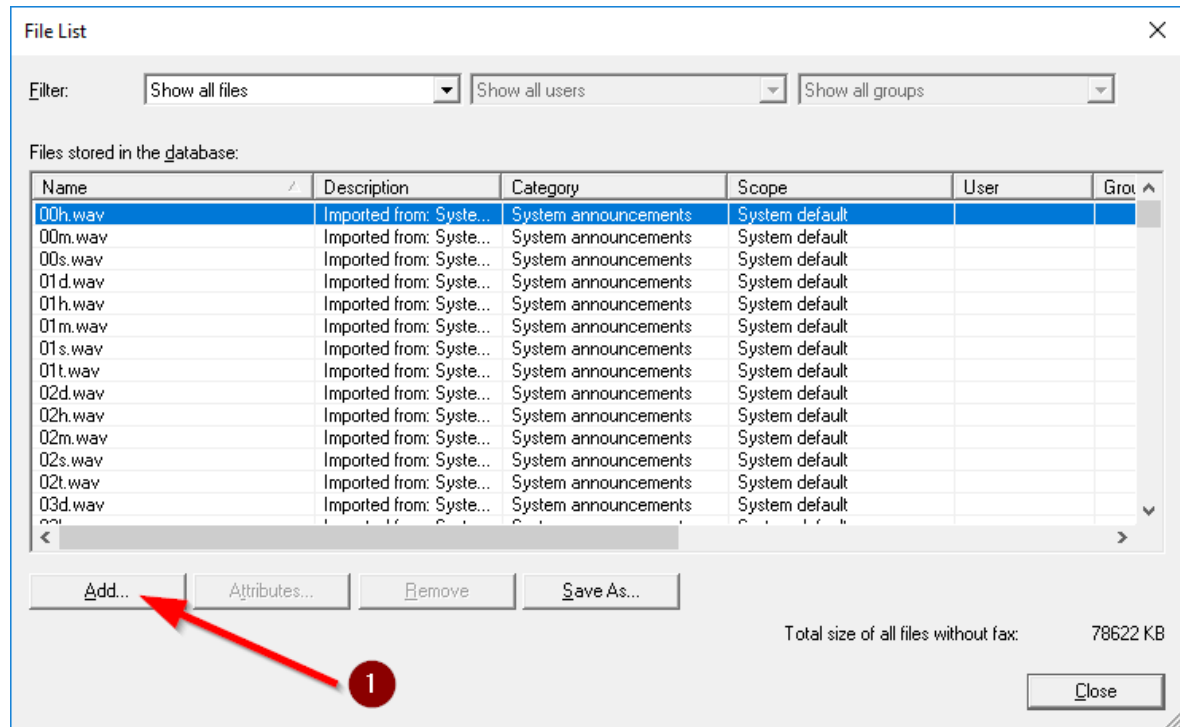
APPENDIX B

B.1 - Access/modify the code behind



Step 3

Click on **Add...**



Step 4.1 - VBScript usage

1. Select all files from the **VBScript based\ase** folder from the download package.
2. Select **Global** as **Scope**. (you can also select User to load the files into the user scope a your script user)
3. Select **Call Routing VBS scripts** as **Category**.
4. It is recommended to enter **IPS Integration** into the **Description** field, but not necessary.

The screenshot shows a Windows-style dialog box titled "Add File to Database" with a close button (X) in the top right corner. The dialog contains several input fields and dropdown menus, with red circles and numbers 1 through 4 highlighting specific areas:

- 1**: Points to the "File to add:" text box, which contains the path "C:\Projects\IPS Integration\VBScript based\ase\..." and a browse button (...).
- 2**: Points to the "Scope:" dropdown menu, which is set to "Global".
- 3**: Points to the "Category:" dropdown menu, which is set to "Call Routing VBS scripts".
- 4**: Points to the "Description:" text box, which contains the text "IPS Integration".

Other fields in the dialog include:

- Name:** "actionIPSCreateBlogComment.ase;"
- User:** "Botsquad"
- Group:** "Everyone"
- File Properties:** A section with three unchecked checkboxes: "Private", "Hidden", and "System".
- Buttons:** "OK" and "Cancel" buttons at the bottom right.

Step 4.2 - Lua usage

1. Select all files from the **Lua based\ase** folder from the download package.
2. Select **Global** as **Scope**. (you can also select User to load the files into the user scope a your script user)
3. Select **Call Routing Lua scripts** as **Category**.
4. It is recommended to enter **IPS Integration** into the **Description** field, but not necessary.

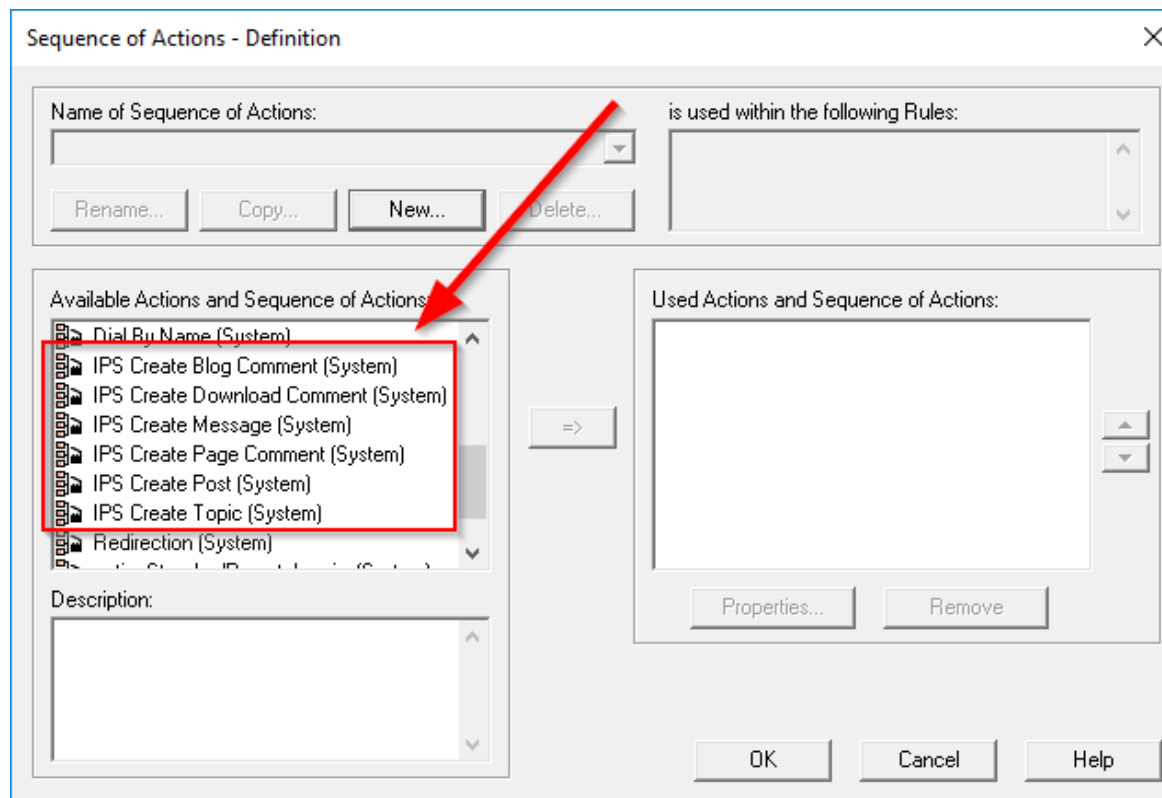
The screenshot shows a 'Add File to Database' dialog box with the following fields and callouts:

- File to add:** A text field containing the path 'C:\Projects\IPS Integration\Lua based\ase\actionIPSCreateBlogComment.ase;' with a red circle '1' next to the file name.
- Name:** A text field containing 'actionIPSCreateBlogComment.ase;'.
- Scope:** A dropdown menu set to 'Global' with a red circle '2' next to it.
- Category:** A dropdown menu set to 'Call Routing Lua scripts' with a red circle '3' next to it.
- User:** A dropdown menu set to 'Botsquad'.
- Group:** A dropdown menu set to 'Everyone'.
- File Properties:** A section with three checkboxes: 'Private', 'Hidden', and 'System', all of which are unchecked.
- Description:** A text field containing 'IPS Integration' with a red circle '4' next to it.

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

Step 5

To check if the GSE actions are available within call routing scripts open the **Call Routing Manager** of any user and click the button **Sequence of Actions**. Scroll the list on the left side down until you reach the **IPS Create...** actions. The **(System)** behind the GSE action name shows that this is a global action being available for every SwyxWare user.



The Invision Power Services (IPS) Integration actions are now installed and can be fully used within GSE call routing scripts.



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August 26, 2024

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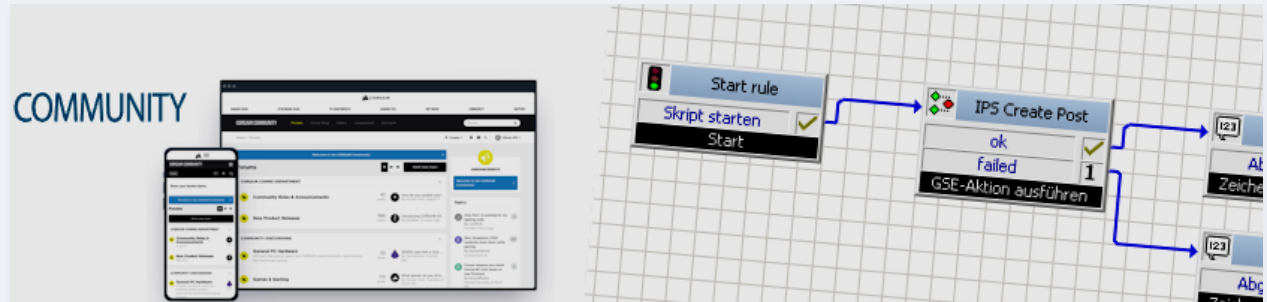
3.5 - Create Page Comment

3.6 - Create Message

3.7 - Trouble Shooting

APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - 3.1 - Create Topic

Followers

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VBScript

Lua

This GSE action creates a new forum topic.

An example call routing script can be found in [A.1 - Example: Create Topic](#).

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

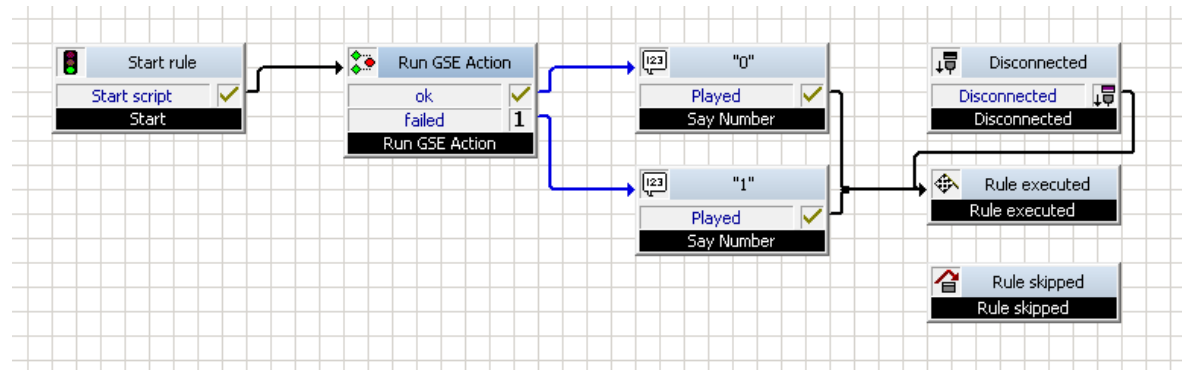
A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

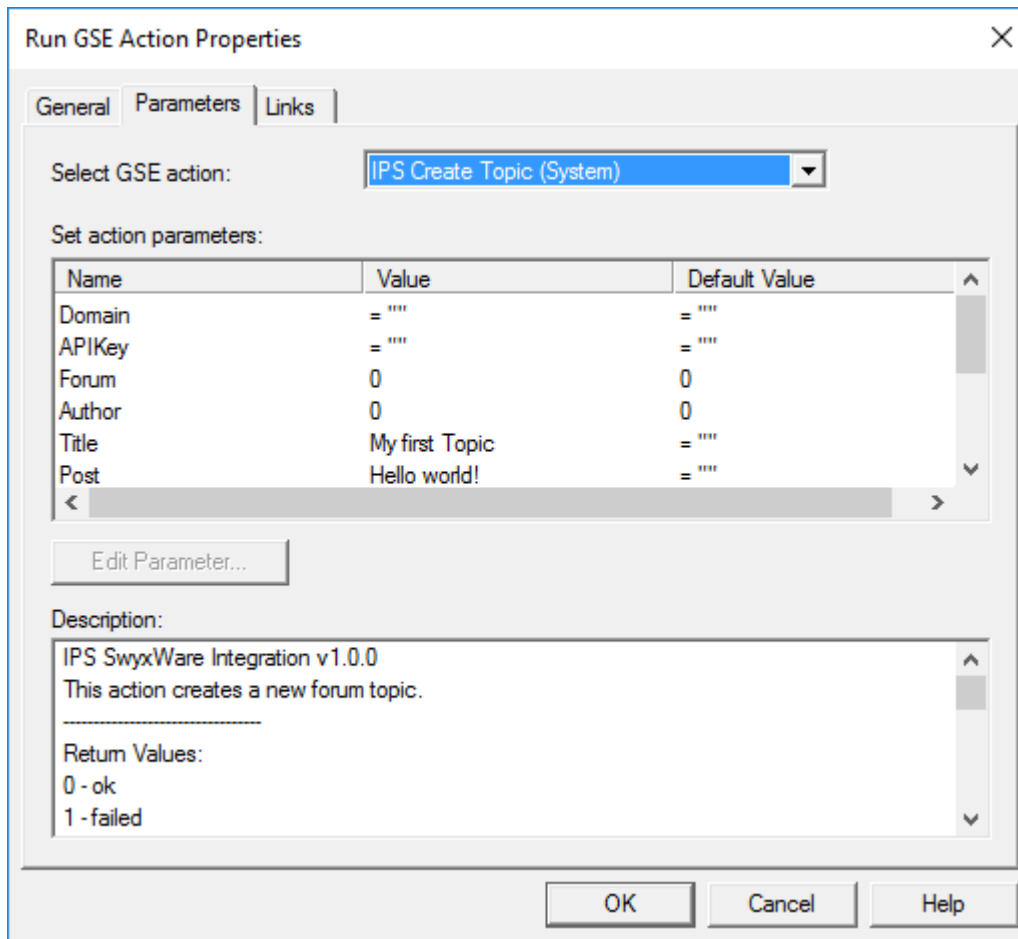
A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind



Configure action parameters

The image shows a 'Run GSE Action Properties' dialog box with three tabs: 'General', 'Parameters', and 'Links'. The 'Parameters' tab is active. It features a 'Select GSE action:' dropdown menu set to 'IPS Create Topic (System)'. Below this is a 'Set action parameters:' section containing a table with three columns: 'Name', 'Value', and 'Default Value'. The table lists parameters: Domain (empty string), APIKey (empty string), Forum (0), Author (0), Title ('My first Topic'), and Post ('Hello world!'). Each parameter has a corresponding default value, mostly empty strings or 0. Below the table is an 'Edit Parameter...' button. At the bottom of the dialog is a 'Description:' text area containing the text 'IPS SwyxWare Integration v1.0.0' and 'This action creates a new forum topic.' Below the description is a 'Return Values:' section with '0 - ok' and '1 - failed'. At the very bottom are 'OK', 'Cancel', and 'Help' buttons.

Name	Value	Default Value
Domain	= ""	= ""
APIKey	= ""	= ""
Forum	0	0
Author	0	0
Title	My first Topic	= ""
Post	Hello world!	= ""

By double clicking a parameter in the list, you can edit it.

Domain Required

This is the URL of your IPS community page, for example: <https://www.swyxforum.com>

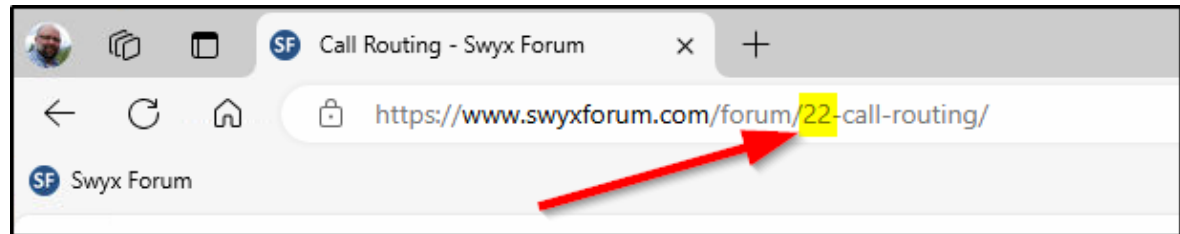
APIKey Required

This is the REST API Key to authenticate against your IPS community. You created it under 1- Preparations.

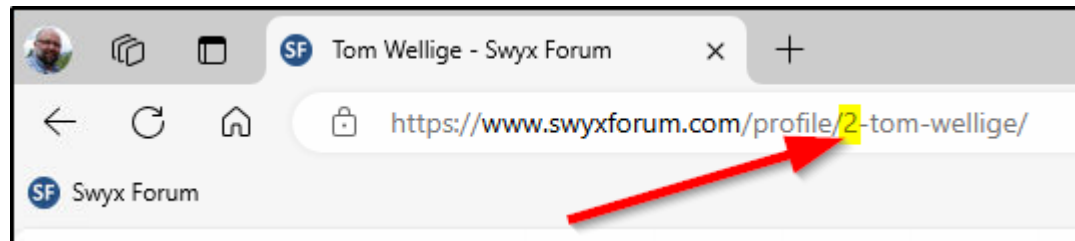
Please make sure that you have configured the endpoint permissions correctly.

Forum Required

This is the id of the forum you want to create the topic in. You can obtain the id from the address line of your browser when opening the target forum:

**Author** Required

This is id of the IPS community user you want to use as author of the new topic. You can obtain the id from the address line of your browser when opening that users' profile page:

**Title** Required

This is the title of the new topic.

Post Required

This is the text/body of the new topic.

Locked

Should the new topic be locked?

0 - the new topic will be not be locked

1 - the new topic will be locked, i.e. no user can create new posts into it
May be omitted. Default: 0

Hidden

Should the new topic be visible to all users?

0 - the new topic will be visible to all users

1 - the new topic will be hidden, i.e. only visible to moderators and administrators, and needs approval to become visible

May be omitted. Default: 0

Pinned

Should the new topic be pinned?

0 - the new topic will be not be pinned

1 - the new topic will be pinned and therefore be listed on top of the topic list of the forum

May be omitted. Default: 0

Featured

Should the new topic be featured?

0 - the new topic will be not be featured

1 - the new topic will be featured and therefore be listed on "featured topics" lists in the community

May be omitted. Default: 0

Configure action exits

Run GSE Action Properties

General Parameters Links

Visible	Fixed name	Link name	Linked to
☒	Default	ok	"0"
☒	Return code 1	failed	"1"
☐	Return code 2		↓ [no link]
☐	Return code 3		↓ [no link]
☐	Return code 4		↓ [no link]
☐	Return code 5		↓ [no link]
☐	Return code 6		↓ [no link]
☐	Return code 7		↓ [no link]
☐	Return code 8		↓ [no link]
☐	Return code 9		↓ [no link]
☐	Disconnected		Disconnected

OK Cancel Help

Exit 0 (Default)

This exit will be reached when everything worked fine and the topic was created. It is recommended to name this exit "**ok**" or "**created**".

Exit 1

This exit will be reached when there was any kind of problem and no topic has been created. It is recommended to name this exit "**failed**".

If you reach this exit you can refer to [3.7 - Trouble Shooting](#) to figure what went wrong.

Additional return value (as global variable)

g_sIPSLatestCreatedTopicURL (string)

This global variable holds the URL of the newly created topic after the **ok** (0) exit has been reached.



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3.2 - Create Post

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3.4 - Create Download Comment

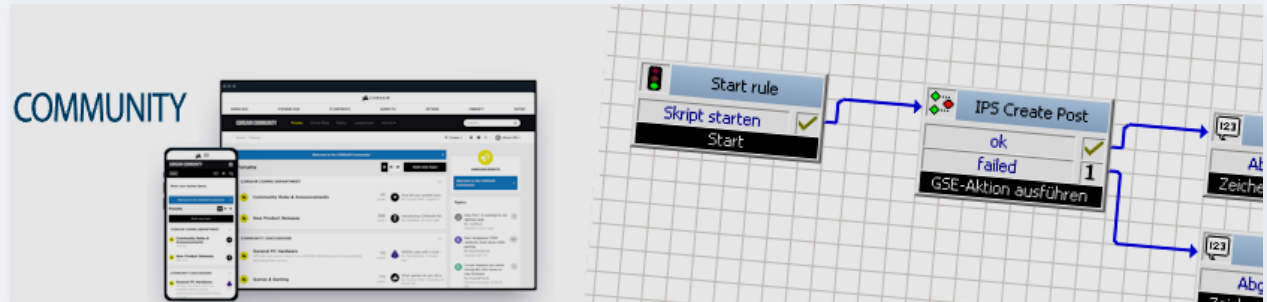
3.5 - Create Page Comment

3.6 - Create Message

3.7 - Trouble Shooting

APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - 3.2 - Create Post

Followers

0

VBScript

Lua

This GSE action creates a new post into an existing forum topic.

An example call routing script can be found in [A.2 - Example: Create Post](#).

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

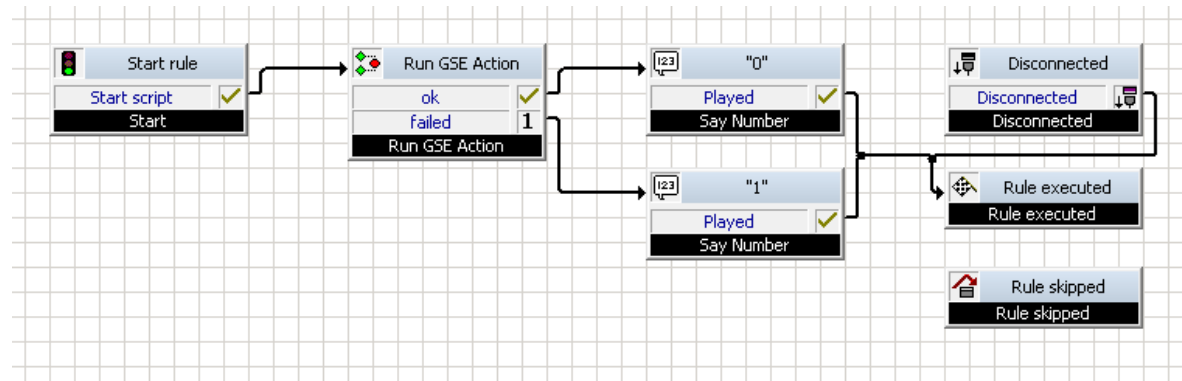
A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind



Configure action parameters

Run GSE Action Properties

General Parameters Links

Select GSE action: IPS Create Post (System)

Set action parameters:

Name	Value	Default Value
Domain	= ""	= ""
APIKey	= ""	= ""
Topic	0	0
Author	0	0
Post	And again: hello world!	= ""
Hidden	0	0

Edit Parameter...

Description:

IPS SwyxWare Integration v1.0.0
Creates a new post into an existing forum topic.

Return Values:

0 - ok
1 - failed

OK Cancel Help

By double clicking a parameter in the list, you can edit it.

Domain Required

This is the URL of your IPS community page, for example: <https://www.swyxforum.com>

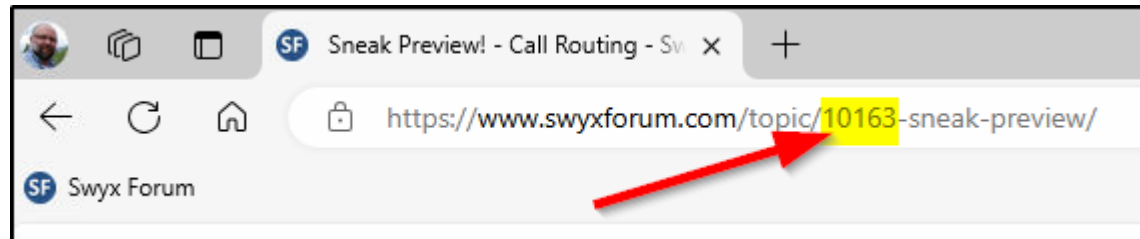
APIKey Required

This is the REST API Key to authenticate against your IPS community. You created it under 1- Preparations.

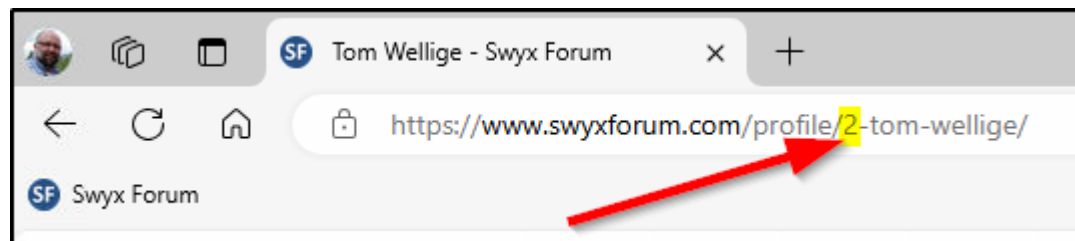
Please make sure that you have configured the endpoint permissions correctly.

Topic Required

This is the id of the topic you want to create the new post in. You can obtain the id from the address line of your browser when opening the target topic:

**Author** Required

This is id of the IPS community user you want to use as author of the new post. You can obtain the id from the address line of your browser when opening that users' profile page:

**Post** Required

This is the text/body of the new topic.

Hidden

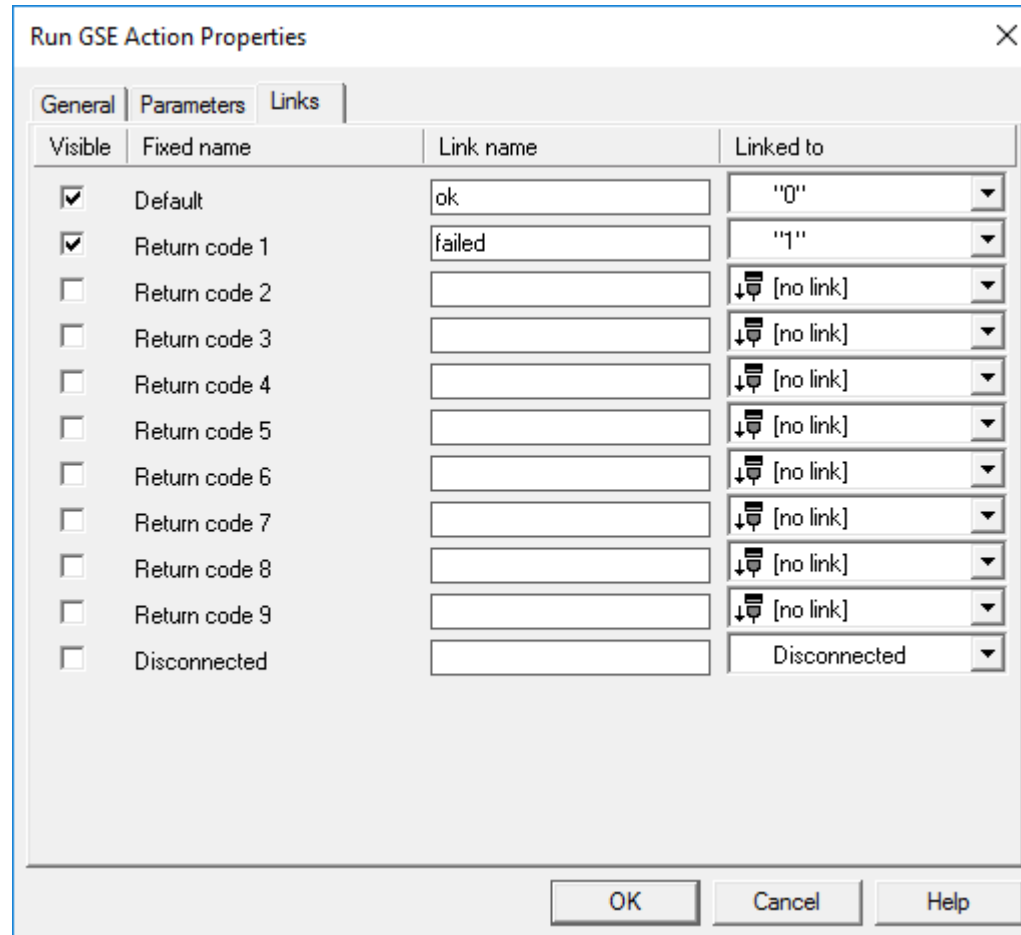
Should the new post be visible to all users?

0 - the new post will be visible to all users

1 - the new post will be hidden, i.e. only visible to moderators and administrators, and needs approval to become visible

May be omitted. Default: 0

Configure action exits



The image shows a dialog box titled "Run GSE Action Properties" with a close button (X) in the top right corner. It has three tabs: "General", "Parameters", and "Links". The "Links" tab is selected. Inside the "Links" tab, there is a table with four columns: "Visible", "Fixed name", "Link name", and "Linked to".

Visible	Fixed name	Link name	Linked to
☒	Default	ok	"0"
☒	Return code 1	failed	"1"
☐	Return code 2		[no link]
☐	Return code 3		[no link]
☐	Return code 4		[no link]
☐	Return code 5		[no link]
☐	Return code 6		[no link]
☐	Return code 7		[no link]
☐	Return code 8		[no link]
☐	Return code 9		[no link]
☐	Disconnected		Disconnected

At the bottom of the dialog box, there are three buttons: "OK", "Cancel", and "Help".

Exit 0 (Default)

This exit will be reached when everything worked fine and the post was created. It is recommended to name this exit **"ok"** or **"created"**.

Exit 1

This exit will be reached when there was any kind of problem and no post has been created. It is recommended to name this exit **"failed"**.

If you reach this exit you can refer to [3.7 - Trouble Shooting](#) to figure what went wrong.

Additional return value (as global variable)

g_sIPSLatestCreatedPostURL (string)

This global variable holds the URL of the newly created post after the **ok** (0) exit has been reached.



By Tom Wellige

August 26, 2024

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APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - 3.3 - Create Blog Comment

Followers

0

VBScript

Lua

This GSE action creates a new comment to a blog article.

An example call routing script can be found in [A.3 - Example: Create Blog Comment](#).

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

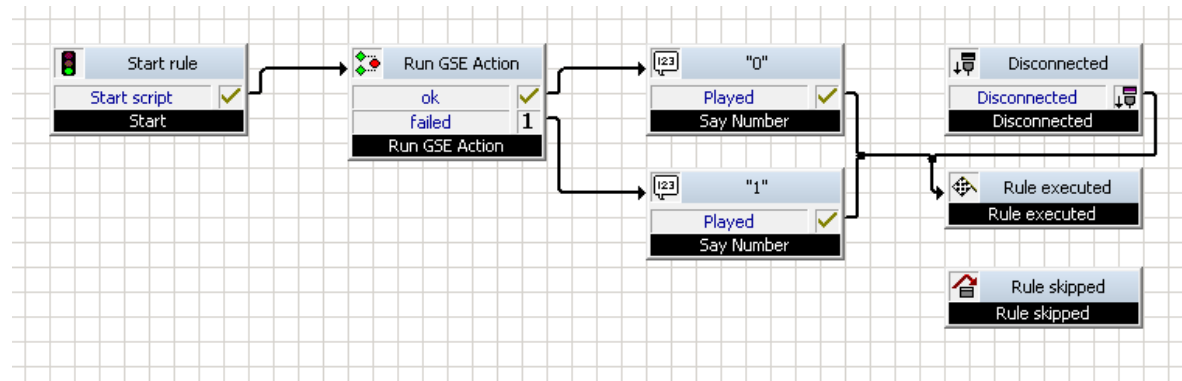
A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind



Configure action parameters

Run GSE Action Properties

General Parameters Links

Select GSE action: IPS Create Blog Comment (System)

Set action parameters:

Name	Value	Default Value
Domain	= ""	= ""
APIKey	= ""	= ""
Entry	0	0
Author	0	0
Content	I am a blog comment.	= ""
Hidden	0	0

Edit Parameter...

Description:

IPS SwyxWare Integration v1.0.0
Creates a new comment to a blog article.

Return Values:

0 - ok
1 - failed

OK Cancel Help

By double clicking a parameter in the list, you can edit it.

Domain Required

This is the URL of your IPS community page, for example: <https://www.swyxforum.com>

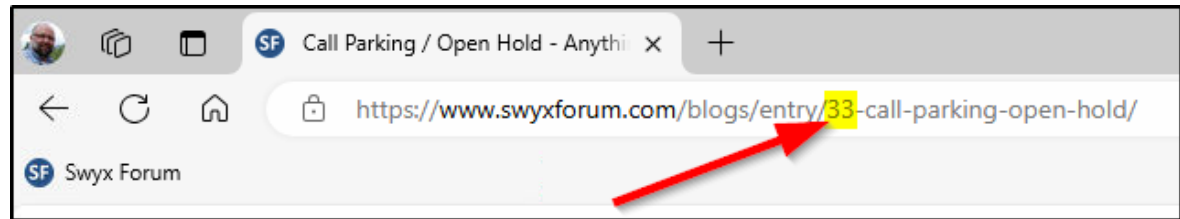
APIKey Required

This is the REST API Key to authenticate against your IPS community. You created it under 1- Preparations.

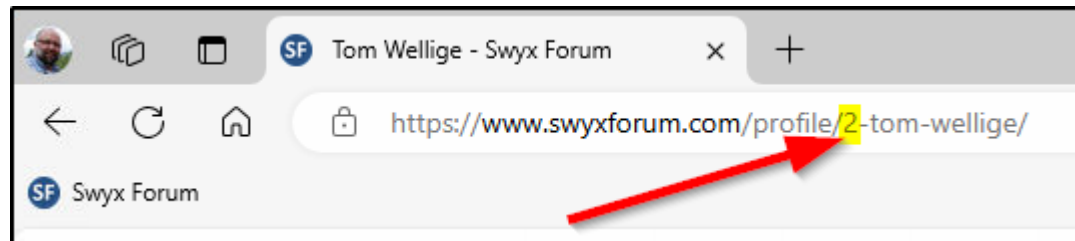
Please make sure that you have configured the endpoint permissions correctly.

Entry Required

This is the id of the blog article you want to create the new comment in. You can obtain the id from the address line of your browser when opening the target blog article:

**Author** Required

This is id of the IPS community user you want to use as author of the new comment. You can obtain the id from the address line of your browser when opening that users' profile page:

**Content** Required

This is the content of the new comment.

Hidden

Should the new comment be visible to all users?

0 - the new comment will be visible to all users

1 - the new comment will be hidden, i.e. only visible to moderators and administrators, and needs approval to become visible

May be omitted. Default: 0

Anonymous

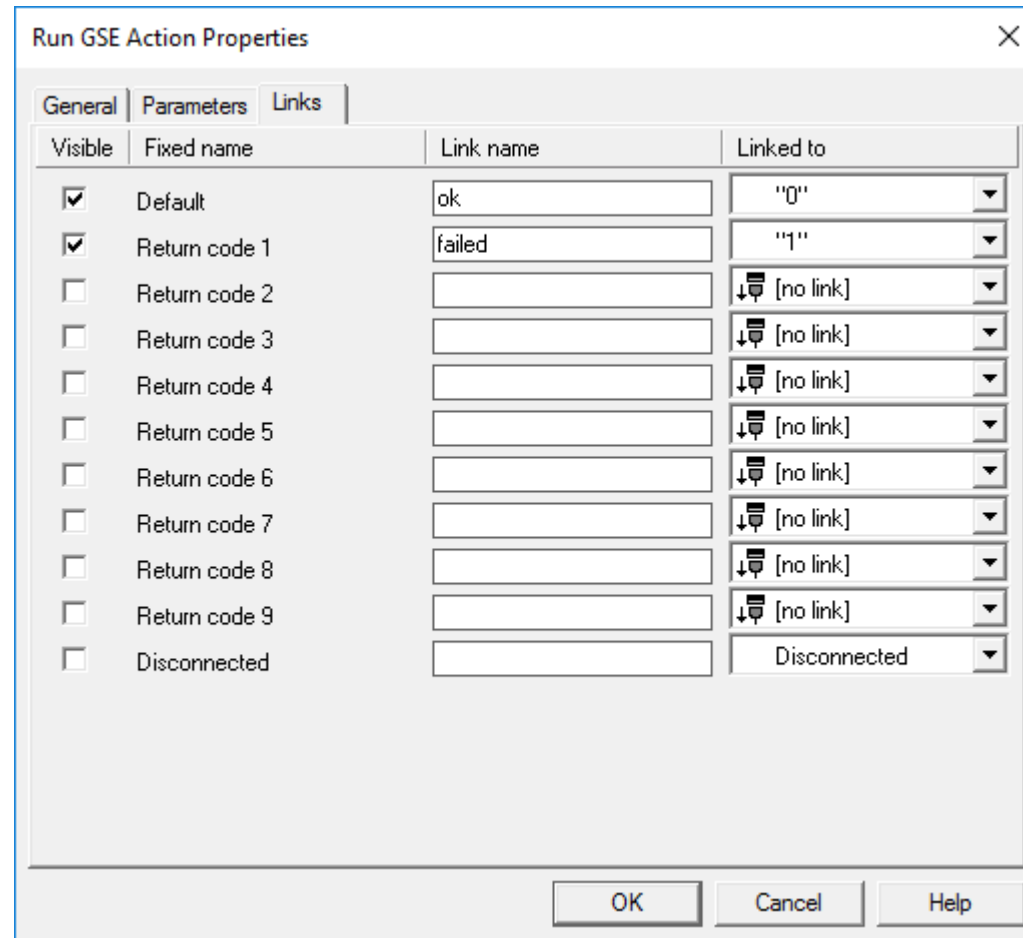
Should the new comment be created as anonymous author?

0 - the new comment will be created for the above given author

1 - the new comment will be created as anonymous author

May be omitted. Default: 0

Configure action exits



The image shows a dialog box titled "Run GSE Action Properties" with a close button (X) in the top right corner. The dialog has three tabs: "General", "Parameters", and "Links". The "Links" tab is currently selected. It contains a table with four columns: "Visible", "Fixed name", "Link name", and "Linked to".

Visible	Fixed name	Link name	Linked to
☒	Default	ok	"0"
☒	Return code 1	failed	"1"
☐	Return code 2		[no link]
☐	Return code 3		[no link]
☐	Return code 4		[no link]
☐	Return code 5		[no link]
☐	Return code 6		[no link]
☐	Return code 7		[no link]
☐	Return code 8		[no link]
☐	Return code 9		[no link]
☐	Disconnected		Disconnected

At the bottom of the dialog are three buttons: "OK", "Cancel", and "Help".

Exit 0 (Default)

This exit will be reached when everything worked fine and the blog comment was created. It is recommended to name this exit "**ok**" or "**created**".

Exit 1

This exit will be reached when there was any kind of problem and no blog comment has been created. It is recommended to name this exit "**failed**".

If you reach this exit you can refer to [3.7 - Trouble Shooting](#) to figure what went wrong.

Additional return value (as global variable)

g_sIPSLatestCreatedBlogCommentURL (string)

This global variable holds the URL of the newly created blog comment after the **ok** (0) exit has been reached.



By Tom Wellige

August 26, 2024

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APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - 3.4 - Create Download Comment

Followers

0

VBScript

Lua

This GSE action creates a new comment to a download file.

An example call routing script can be found in [A.4 - Example: Create Download Comment](#).

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

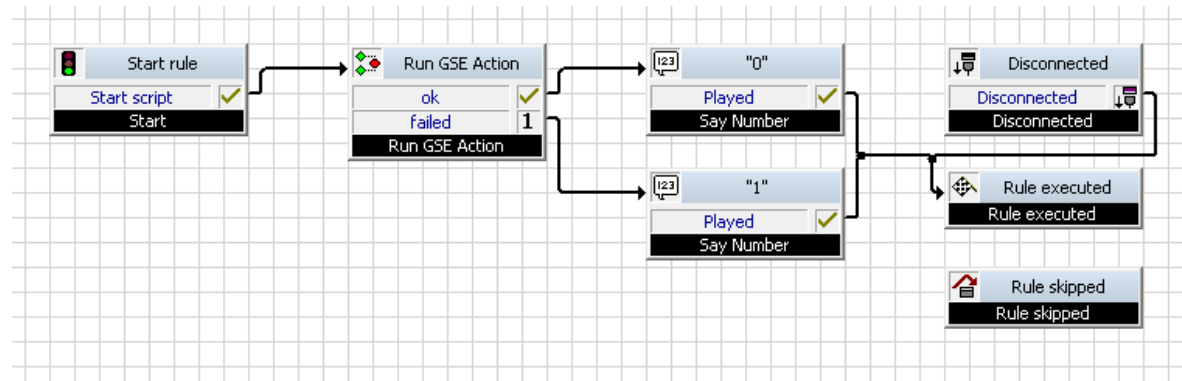
A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind



Configure action parameters

Run GSE Action Properties

General Parameters Links

Select GSE action: IPS Create Blog Comment (System)

Set action parameters:

Name	Value	Default Value
Domain	= ""	= ""
APIKey	= ""	= ""
Entry	0	0
Author	0	0
Content	I am a blog comment.	= ""
Hidden	0	0

Edit Parameter...

Description:

IPS SwyxWare Integration v1.0.0
Creates a new comment to a blog article.

Return Values:

0 - ok
1 - failed

OK Cancel Help

By double clicking a parameter in the list, you can edit it.

Domain Required

This is the URL of your IPS community page, for example: <https://www.swyxforum.com>

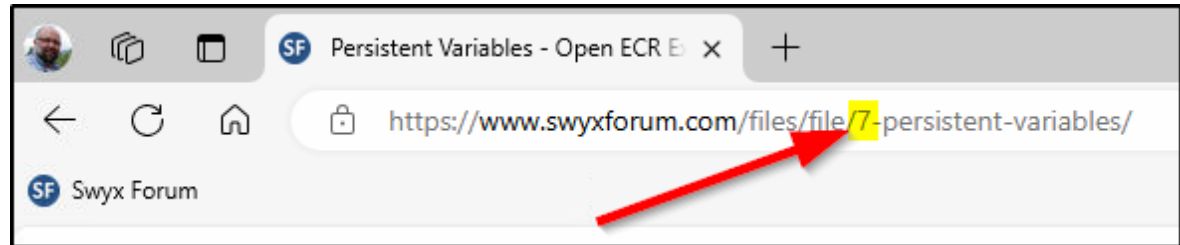
APIKey Required

This is the REST API Key to authenticate against your IPS community. You created it under 1 - Preparations.

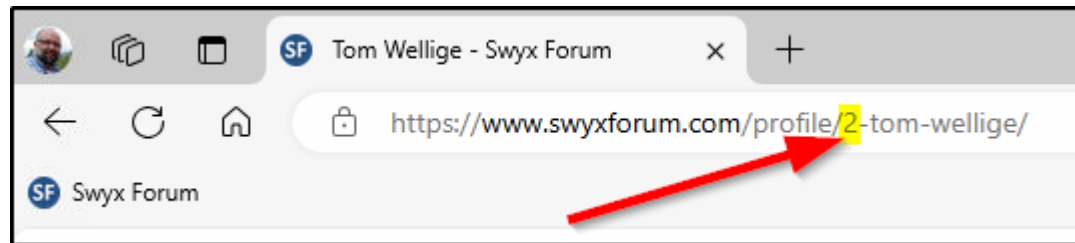
Please make sure that you have configured the endpoint permissions correctly.

File Required

This is the id of the download file you want to create the new comment to. You can obtain the id from the address line of your browser when opening the target download file:

**Author** Required

This is id of the IPS community user you want to use as author of the new comment. You can obtain the id from the address line of your browser when opening that users' profile page:

**Content** Required

This is the content of the new comment.

Hidden

Should the new comment be visible to all users?

0 - the new comment will be visible to all users

1 - the new comment will be hidden, i.e. only visible to moderators and administrators, and needs approval to become visible

May be omitted. Default: 0

Anonymous

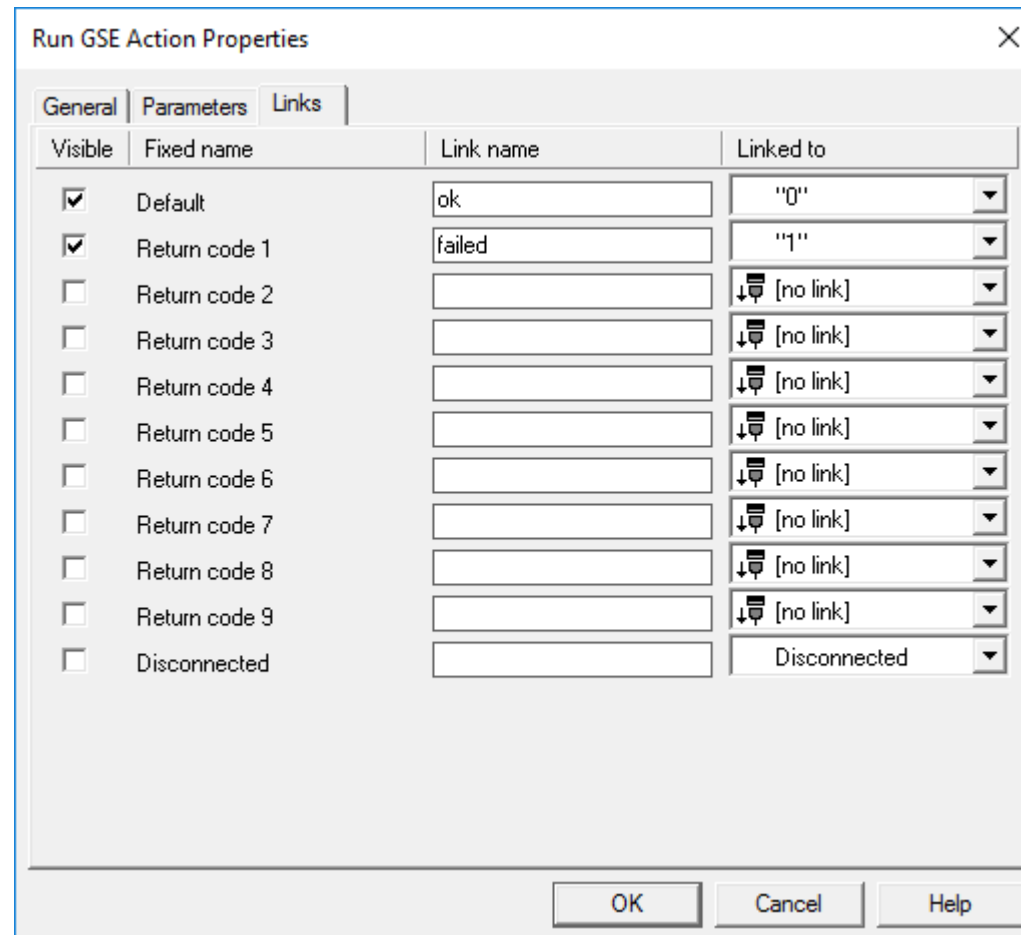
Should the new comment be created as anonymous author?

0 - the new comment will be created for the above given author

1 - the new comment will be created as anonymous author

May be omitted. Default: 0

Configure action exits



The image shows a dialog box titled "Run GSE Action Properties" with a close button (X) in the top right corner. The dialog has three tabs: "General", "Parameters", and "Links". The "Links" tab is currently selected. It contains a table with four columns: "Visible", "Fixed name", "Link name", and "Linked to".

Visible	Fixed name	Link name	Linked to
☒	Default	ok	"0"
☒	Return code 1	failed	"1"
☐	Return code 2		↓ [no link]
☐	Return code 3		↓ [no link]
☐	Return code 4		↓ [no link]
☐	Return code 5		↓ [no link]
☐	Return code 6		↓ [no link]
☐	Return code 7		↓ [no link]
☐	Return code 8		↓ [no link]
☐	Return code 9		↓ [no link]
☐	Disconnected		Disconnected

At the bottom of the dialog, there are three buttons: "OK", "Cancel", and "Help".

Exit 0 (Default)

This exit will be reached when everything worked fine and the download comment was created. It is recommended to name this exit "**ok**" or "**created**".

Exit 1

This exit will be reached when there was any kind of problem and no download comment has been created. It is recommended to name this exit "**failed**".

If you reach this exit you can refer to [3.7 - Trouble Shooting](#) to figure what went wrong.

Additional return value (as global variable)

g_sIPSLatestCreatedDownloadCommentURL (string)

This global variable holds the URL of the newly created download comment after the **ok** (0) exit has been reached.



By Tom Wellige

August 26, 2024

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APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - 3.5 - Create Page Comment

Followers

0

VBScript

Lua

This GSE action creates a new comment to a page.

An example call routing script can be found in [A.5 - Example: Create Page Comment](#).

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

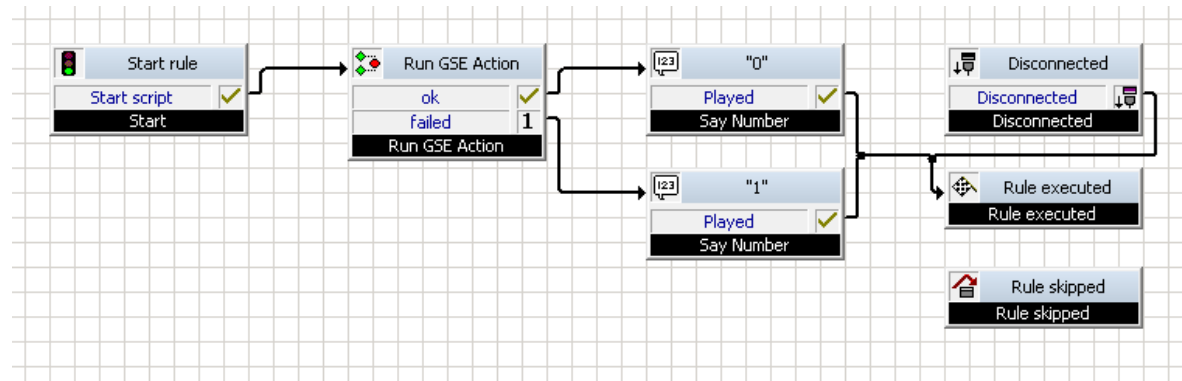
A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind



Configure action parameters

Run GSE Action Properties

General Parameters Links

Select GSE action: IPS Create Page Comment (System)

Set action parameters:

Name	Value	Default Value
Domain	= ""	= ""
APIKey	= ""	= ""
Database	0	0
Record	0	0
Author	0	0
Content	I am a page comment.	= ""

Edit Parameter...

Description:

IPS SwyxWare Integration v1.0.0
Creates a new page comment.

Return Values:

0 - ok
1 - failed

OK Cancel Help

By double clicking a parameter in the list, you can edit it.

Domain Required

This is the URL of your IPS community page, for example: <https://www.swyxforum.com>

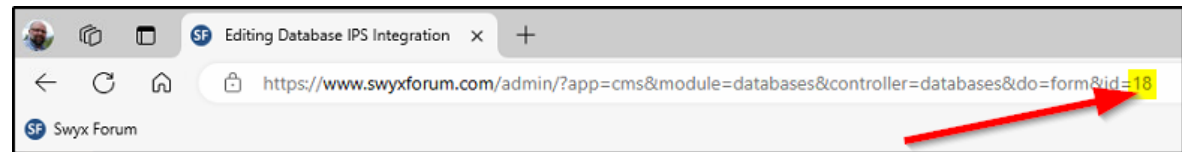
APIKey Required

This is the REST API Key to authenticate against your IPS community. You created it under 1- Preparations.

Please make sure that you have configured the endpoint permissions correctly.

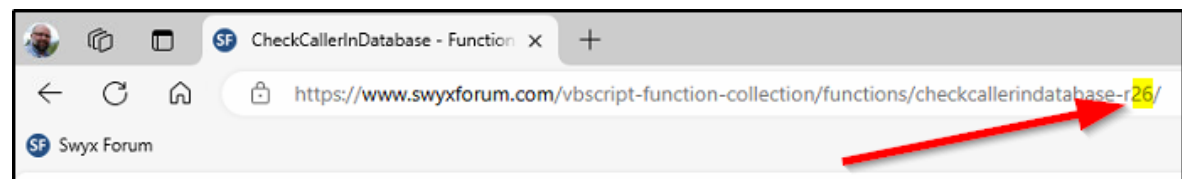
Database Required

This is the id of the database containing all your pages. You can obtain the id from the address line of your browser when you open the **Admin Control Panel** (ACP), navigate to **Pages - Content - Databases** and open your database.



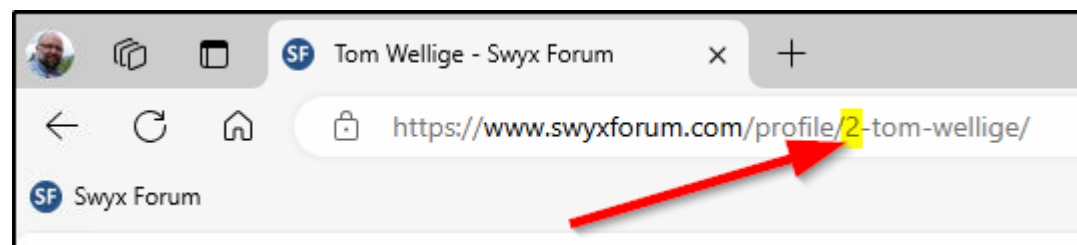
Record Required

This is the id of the pagee you want to create the new comment to. You can obtain the id from the address line of your browser when opening the target page (just the number, without the leading "r"):



Author Required

This is id of the IPS community user you want to use as author of the new comment. You can obtain the id from the address line of your browser when opening that users' profile page:



Content Required

This is the content of the new comment.

Hidden

Should the new comment be visible to all users?

0 - the new comment will be visible to all users

1 - the new comment will be hidden, i.e. only visible to moderators and administrators, and needs approval to become visible

May be omitted. Default: 0

Anonymous

Should the new comment be created as anonymous author?

0 - the new comment will be created for the above given author

1 - the new comment will be created as anonymous author

May be omitted. Default: 0

Configure action exits

Run GSE Action Properties

General Parameters Links

Visible	Fixed name	Link name	Linked to
☒	Default	ok	"0"
☒	Return code 1	failed	"1"
☐	Return code 2		↓ [no link]
☐	Return code 3		↓ [no link]
☐	Return code 4		↓ [no link]
☐	Return code 5		↓ [no link]
☐	Return code 6		↓ [no link]
☐	Return code 7		↓ [no link]
☐	Return code 8		↓ [no link]
☐	Return code 9		↓ [no link]
☐	Disconnected		Disconnected

OK Cancel Help

Exit 0 (Default)

This exit will be reached when everything worked fine and the page comment was created. It is recommended to name this exit "**ok**" or "**created**".

Exit 1

This exit will be reached when there was any kind of problem and no page comment has been created. It is recommended to name this exit "**failed**".

If you reach this exit you can refer to [3.7 - Trouble Shooting](#) to figure what went wrong.

Additional return value (as global variable)

g_sIPSLatestCreatedPageCommentURL (string)

This global variable holds the URL of the newly created page comment after the **ok** (0) exit has been reached.



By Tom Wellige
August 26, 2024

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APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - 3.6 - Create Message

Followers

0

VBScript

Lua

This GSE action creates a new private message.

An example call routing script can be found in [A.6 - Example: CreateMessage](#).

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

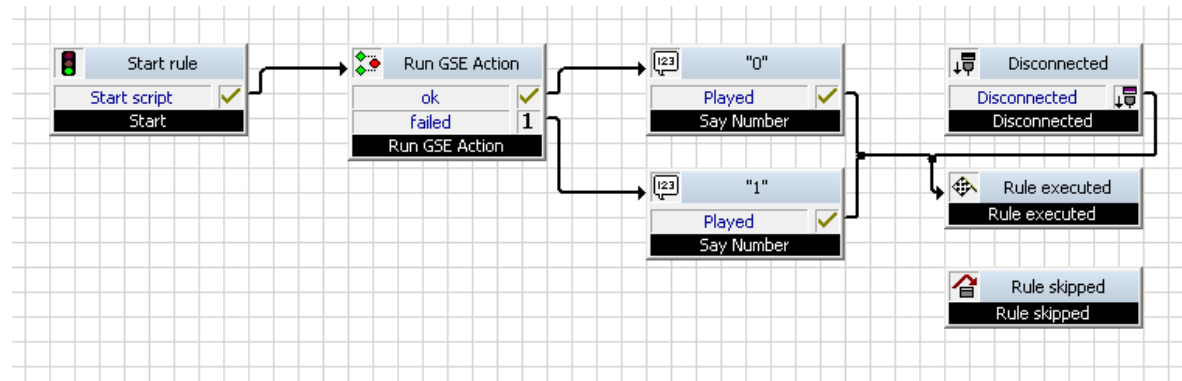
A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind



Configure action parameters

Run GSE Action Properties

General Parameters Links

Select GSE action: IPS Create Message (System)

Set action parameters:

Name	Value	Default Value
Domain	= ""	= ""
APIKey	= ""	= ""
From	0	0
To	= ""	= ""
Title	= ""	= ""
Body	= ""	= ""

Edit Parameter...

Description:

IPS SwyxWare Integration v1.0.0
Creates a new private message.

Return Values:

0 - ok
1 - failed

OK Cancel Help

By double clicking a parameter in the list, you can edit it.

Domain Required

This is the URL of your IPS community page, for example: <https://www.swyxforum.com>

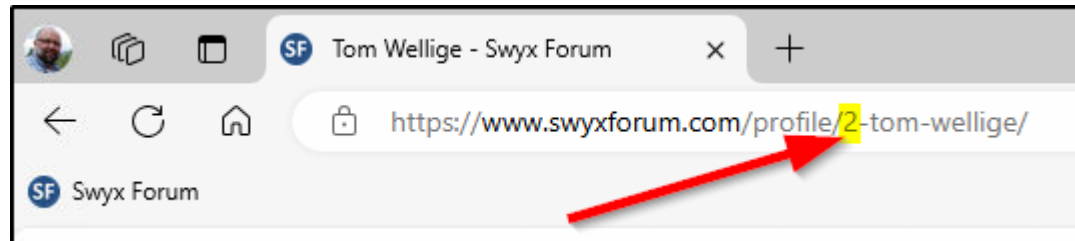
APIKey Required

This is the REST API Key to authenticate against your IPS community. You created it under 1- Preparations.

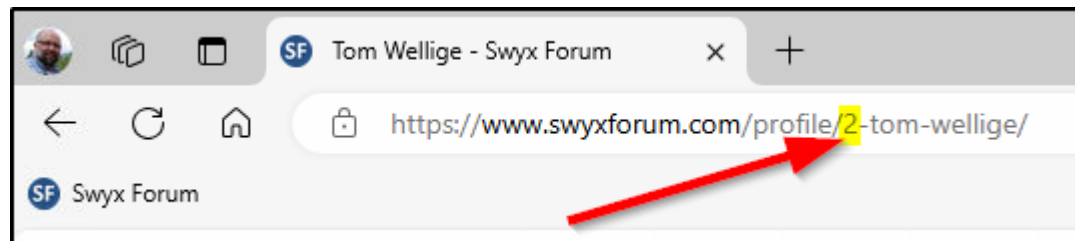
Please make sure that you have configured the endpoint permissions correctly.

From Required

This is id of the IPS community user you want to use as sender of the message. You can obtain the id from the address line of your browser when opening that users' profile page:

**To** Required

This is id of the IPS community user you want to use as receiver of the message. You can obtain the id from the address line of your browser when opening that users' profile page:



It is possible to send the message to multiple receivers simultaneously. In this case you need to give all receiver ids in a comma separated list, e.g. 1,2,3

Please note that this will only be supported by this GSE action from SwyxWare 14.10 (or newer) on.

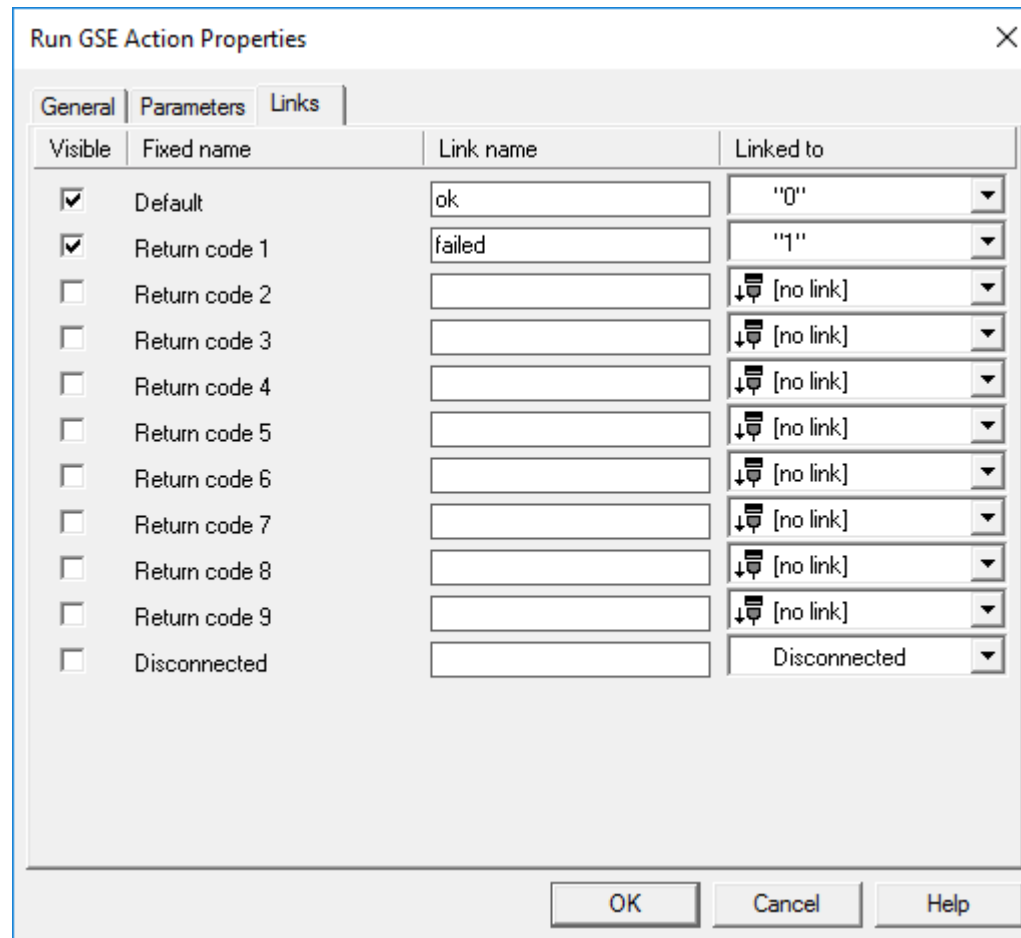
Title Required

This is the title of the new message.

Body Required

This is the body/text of the new message

Configure action exits



The image shows a dialog box titled "Run GSE Action Properties" with a close button (X) in the top right corner. It has three tabs: "General", "Parameters", and "Links". The "Links" tab is selected. Inside the "Links" tab, there is a table with four columns: "Visible", "Fixed name", "Link name", and "Linked to". The table contains ten rows. The first two rows are checked in the "Visible" column. The "Link name" column contains text boxes with "ok" and "failed" respectively. The "Linked to" column contains dropdown menus with values "0", "1", and "no link" (repeated for rows 3-9). The last row, "Disconnected", is unchecked and has a "Disconnected" value in the "Linked to" dropdown. At the bottom of the dialog are three buttons: "OK", "Cancel", and "Help".

Visible	Fixed name	Link name	Linked to
☒	Default	ok	"0"
☒	Return code 1	failed	"1"
☐	Return code 2		↓ [no link]
☐	Return code 3		↓ [no link]
☐	Return code 4		↓ [no link]
☐	Return code 5		↓ [no link]
☐	Return code 6		↓ [no link]
☐	Return code 7		↓ [no link]
☐	Return code 8		↓ [no link]
☐	Return code 9		↓ [no link]
☐	Disconnected		Disconnected

Exit 0 (Default)

This exit will be reached when everything worked fine and the message was created. It is recommended to name this exit **"ok"** or **"created"**.

Exit 1

This exit will be reached when there was any kind of problem and no message has been created. It is recommended to name this exit **"failed"**.

If you reach this exit you can refer to [3.7 - Trouble Shooting](#) to figure what went wrong.



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August 26, 2024

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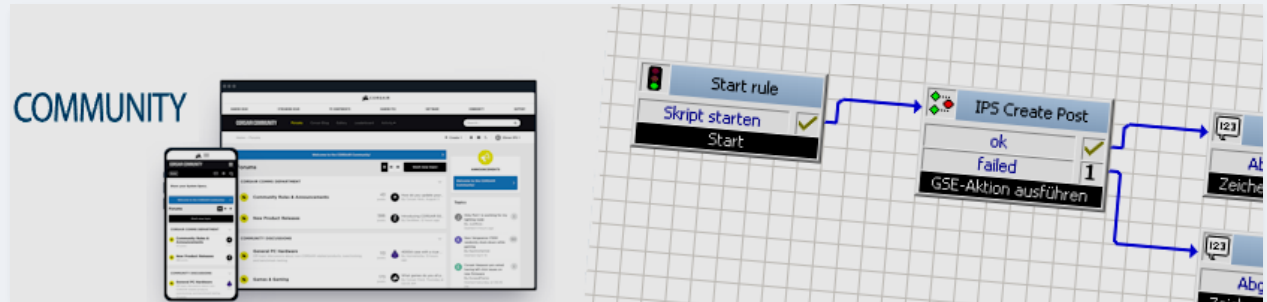
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APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - 3.7 - Trouble Shooting

Followers

0

VBScript

Lua

The Invision Power Services (IPS) Integration extension writes meaningful trace information into the server trace file, according to the trace recommendation from this blog post:

- [Don't be shy, be chatty!](#)

So, to figure the exact reason for the problem you need to take a look into that file. The following link explains where to find it and how to filter its content down to the call in question and call routing output only:

- [How to filter SwyxWare traces for call routing output of single call](#)

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind

Once you have opened and filtered the trace file you need to search for the first trace lines written by the GSE action. Just look for these lines:

For **VBScript** based call routing:

```
-----> IPS.Class_Initialize
```

For **Lua** based call routing:

```
-----> IPS:Create
```

The following lines will contain information of all things happened, like setting the parameters and calling the IPS REST API to create the specific item.

If at some point an error occurs, you will see an error message in the trace.

If the REST API call fails, for example because you entered an invalid APIKey, you will see the following line:

```
IPS web request failed! ({  
  "errorCode": "3S290\7",  
  "errorMessage": "INVALID_API_KEY"  
})
```

A list of all possible REST API errors/exceptions (and their meaning) can be taken from the IPS REST API documentation:

- [Create Topic \(POST /forums/topic\)](#).
- [Create Post \(POST /forums/posts\)](#).
- [Create Blog Comment \(POST /blog/comments\)](#).
- [Create Download Comment \(POST /downloads/comments\)](#).
- [Create Page Comment \(POST /cms/comments/{database_id}\)](#).
- [Create Message \(POST /core/messages\)](#).

In addition the the error message you will also find the original response code of the web request into the REST API. If everything went fine, the response code is **201**, otherwise its any other number (most likely ≥ 400), e.g.

```
nResponseCode = 401
```

By taking the detailed error information from the server trace file you should be able to fix your problem.

In case you can't get your problem fixed or have specific questions, please open your own topic in the [project forum](#).



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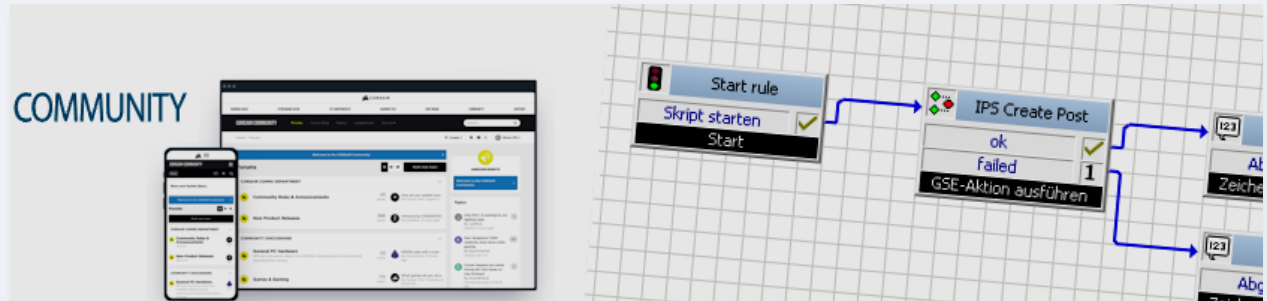
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A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - A.1 - Example: Create Topic

Followers

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VBScript

Lua

This example demonstrates the usage of the **IPS Create Topic** GSE action.

It creates a new topic in an IPS forum and announces afterwards "0" on success or "1" on failure.

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

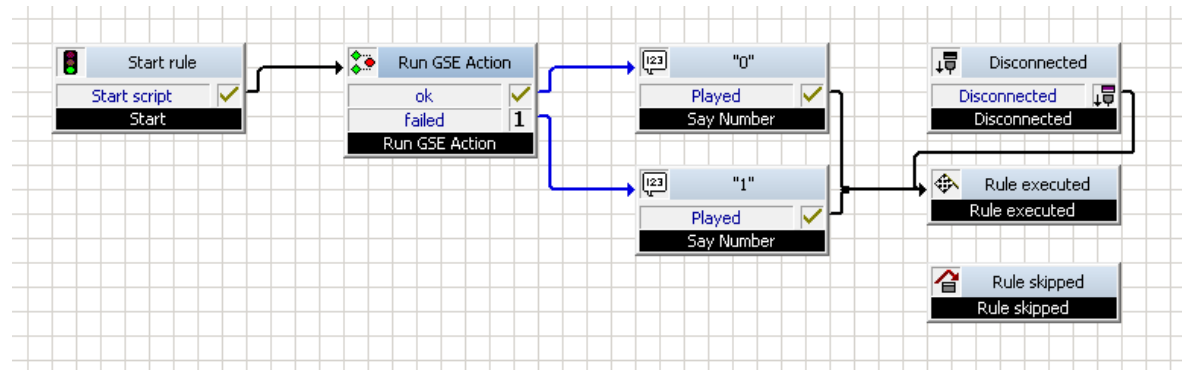
A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind



To install it:

1. Open the **Call Routing Manager** of your desired SwyxWare user.
2. Click the "New Rule..." button.
3. Select "**Graphical Script Editor**" and click **Ok**.
4. Within the GSE open the **File | Import...** menu and click **No**.
5. From the download package select the following file:

For **VBScript** usage:

```
VBScript based\rse\Create Topic.rse
```

For **Lua** usage:

```
Lua based\rse\Create Topic.rse
```

6. You need to make some modifications in the **IPS Create Topic** (Run GSE Action) block .
They are explained in detail in chapter [3.1 - Create Topic](#).



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[A.2 - Example: Create Post](#)



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A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - A.2 - Example: Create Post

Followers

0

VBScript

Lua

This example demonstrates the usage of the **IPS Create Post** GSE action.

It creates a new post into a forum topic and announces afterwards "0" on success or "1" on failure.

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

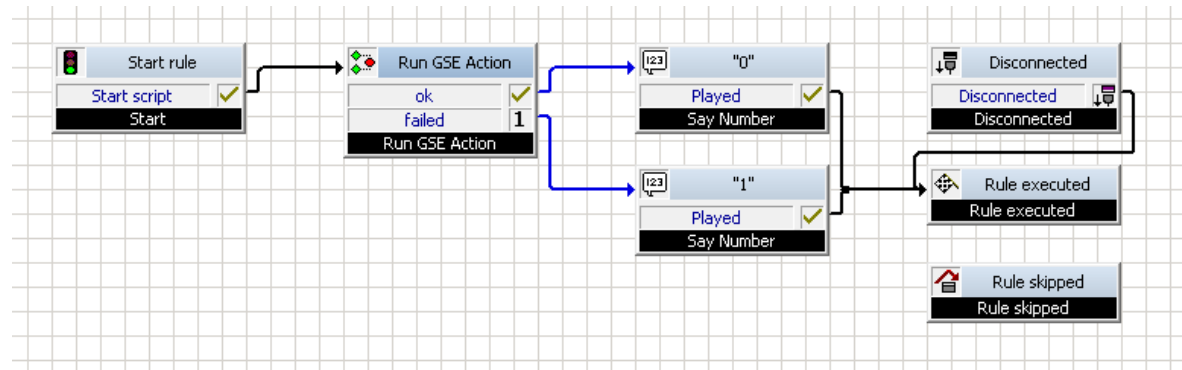
A.4 - Example: Create Download Comment

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APPENDIX B

B.1 - Access/modify the code behind



To install it:

1. Open the **Call Routing Manager** of your desired SwyxWare user.
2. Click the "New Rule..." button.
3. Select "**Graphical Script Editor**" and click **Ok**.
4. Within the GSE open the **File | Import...** menu and click **No**.
5. From the download package select the following file:

For **VBScript** usage:

```
VBScript based\rse\Create Post.rse
```

For **Lua** usage:

```
Lua based\rse\Create Post.rse
```

6. You need to make some modifications in the **IPS Create Post** (Run GSE Action) block .
They are explained in detail in chapter [3.2 - Create Post](#).



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3.4 - Create Download Comment

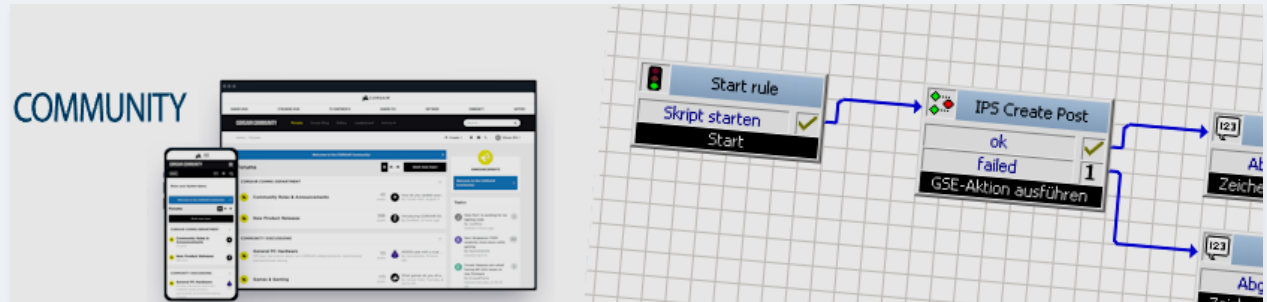
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3.7 - Trouble Shooting

APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - A.3 - Example: Create Blog Comment

Followers

0

VBScript

Lua

This example demonstrates the usage of the **IPS Create Blog Comment** GSE action.

It creates a new comment to a blog article and announces afterwards "0" on success or "1" on failure.

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

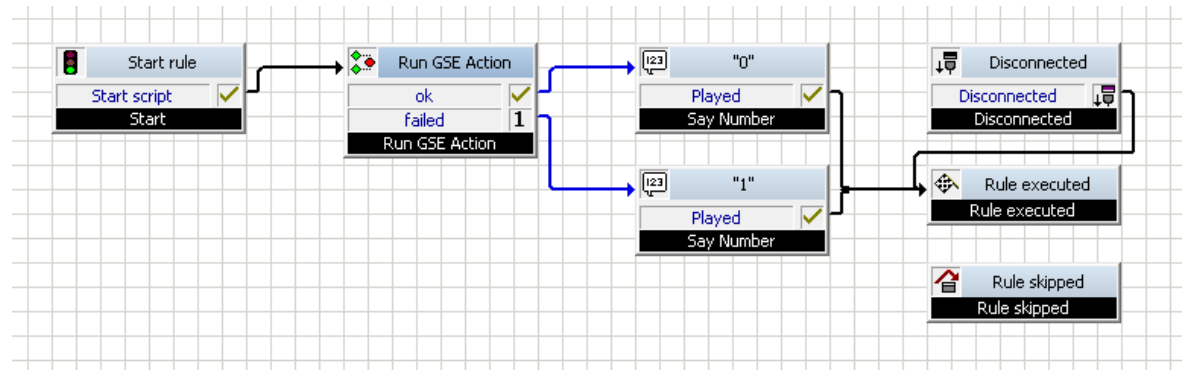
A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind



To install it:

1. Open the **Call Routing Manager** of your desired SwyxWare user.
2. Click the "New Rule..." button.
3. Select "**Graphical Script Editor**" and click **Ok**.
4. Within the GSE open the **File | Import...** menu and click **No**.
5. From the download package select the following file:

For **VBScript** usage:

```
VBScript based\rse\Create Blog Comment.rse
```

For **Lua** usage:

```
Lua based\rse\Create Blog Comment.rse
```

6. You need to make some modifications in the **IPS Create Blog Comment** (Run GSE Action) block . They are explained in detail in chapter [3.3 - Create Blog Comment](#).



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APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - A.4 - Example: Create Download Comment

Followers

0

VBScript

Lua

This example demonstrates the usage of the **IPS Create Download Comment** GSE action.

It creates a new comment to a download file and announces afterwards "0" on success or "1" on failure.

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

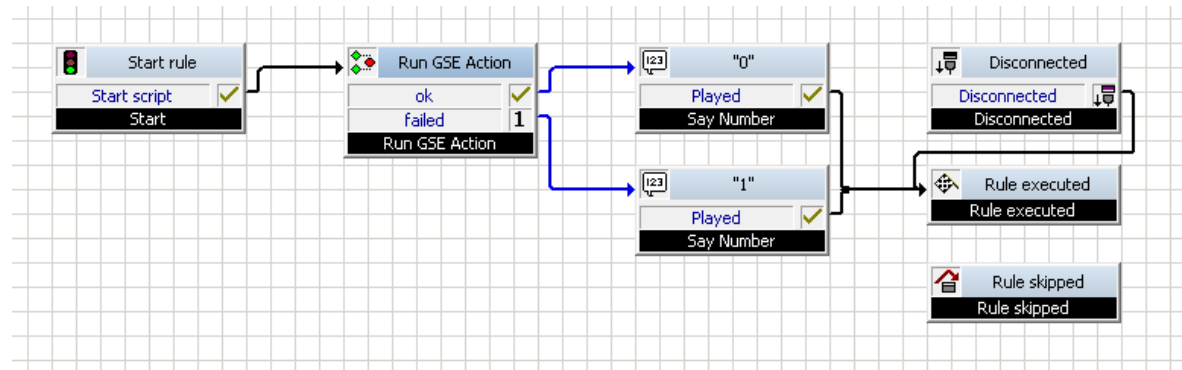
A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind



To install it:

1. Open the **Call Routing Manager** of your desired SwyxWare user.
2. Click the "New Rule..." button.
3. Select "**Graphical Script Editor**" and click **Ok**.
4. Within the GSE open the **File | Import...** menu and click **No**.
5. From the download package select the following file:

For **VBScript** usage:

```
VBScript based\rse\Create Download Comment.rse
```

For **Lua** usage:

```
Lua based\rse\Create Download Comment.rse
```

6. You need to make some modifications in the **IPS Create Download Comment** (Run GSE Action) block . They are explained in detail in chapter [3.4 - Create Download Comment](#).



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3.3 - Create Blog Comment

3.4 - Create Download Comment

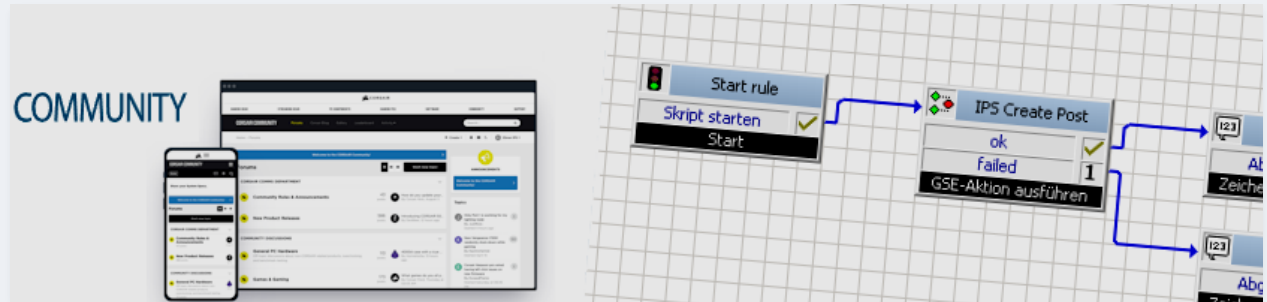
3.5 - Create Page Comment

3.6 - Create Message

3.7 - Trouble Shooting

APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - A.5 - Example: Create Page Comment

Followers

0

VBScript

Lua

This example demonstrates the usage of the **IPS Create Page Comment** GSE action.

It creates a new comment to a page and announces afterwards "0" on success or "1" on failure.

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

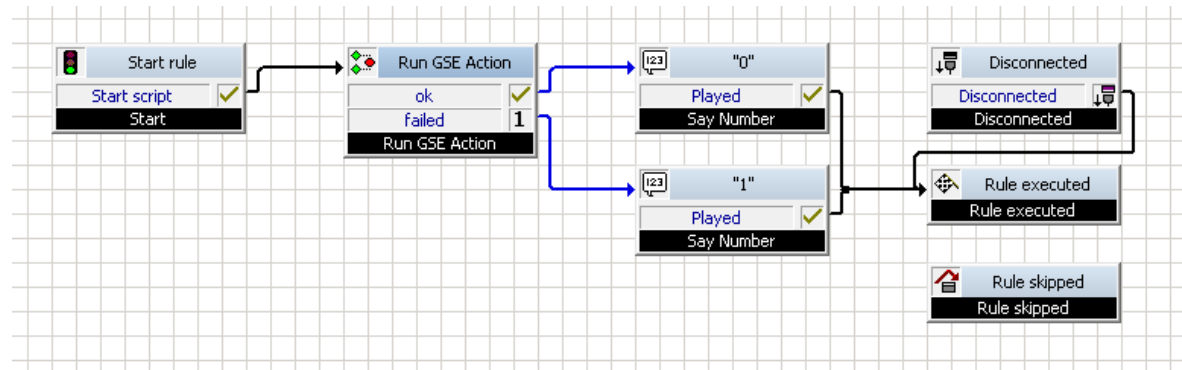
A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

B.1 - Access/modify the code behind



To install it:

1. Open the **Call Routing Manager** of your desired SwyxWare user.
2. Click the "New Rule..." button.
3. Select "**Graphical Script Editor**" and click **Ok**.
4. Within the GSE open the **File | Import...** menu and click **No**.
5. From the download package select the following file:

For **VBScript** usage:

```
VBScript based\rse\Create Page Comment.rse
```

For **Lua** usage:

```
Lua based\rse\Create Page Comment.rse
```

6. You need to make some modifications in the **IPS Create Page Comment** (Run GSE Action) block . They are explained in detail in chapter [3.5 - Create Page Comment](#).



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APPENDIX A

A.1 - Example: Create Topic



Invision Power Services (IPS) Integration - A.6 - Example: Create Message

Followers

0

VBScript

Lua

This example demonstrates the usage of the **IPS Create Message** GSE action.

It creates a new private community message and announces afterwards "0" on success or "1" on failure.

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

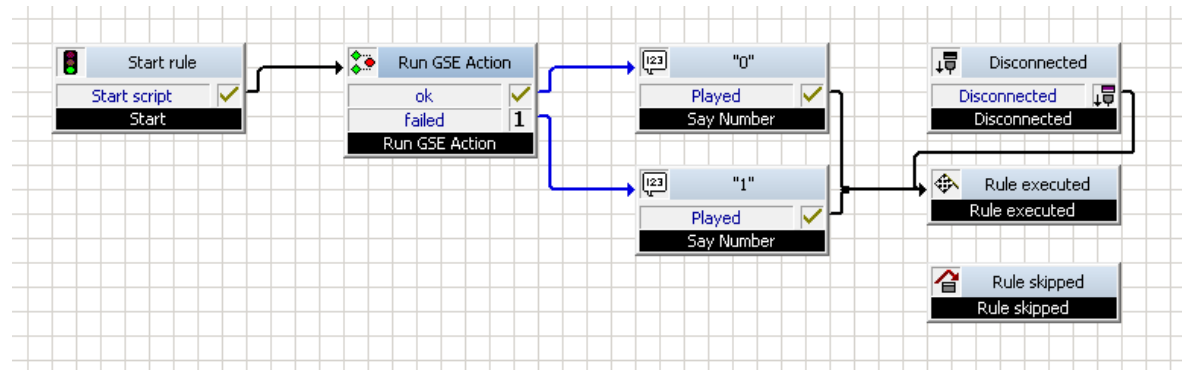
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B.1 - Access/modify the code behind



To install it:

1. Open the **Call Routing Manager** of your desired SwyxWare user.
2. Click the "New Rule..." button.
3. Select "**Graphical Script Editor**" and click **Ok**.
4. Within the GSE open the **File | Import...** menu and click **No**.
5. From the download package select the following file:

For **VBScript** usage:

```
VBScript based\rse\Create Message.rse
```

For **Lua** usage:

```
Lua based\rse\Create Message.rse
```

6. You need to make some modifications in the **IPS Create Message** (Run GSE Action) block . They are explained in detail in chapter [3.6 - Create Message](#).



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A.1 - Example: Create Topic

Invision Power Services (IPS) Integration - B.1 - Access/modify the code behind

Followers

0

How to make your own modifications or simply just take a look onto the implementation to get an idea of how everything works?

The following explanations will refer to the **VBScript** version, the **Lua** version however is more or less identical in its structure.

The entire code of this integration is located in one single file, **InvisionPowerServices.vbs**.

A.2 - Example: Create Post

A.3 - Example: Create Blog Comment

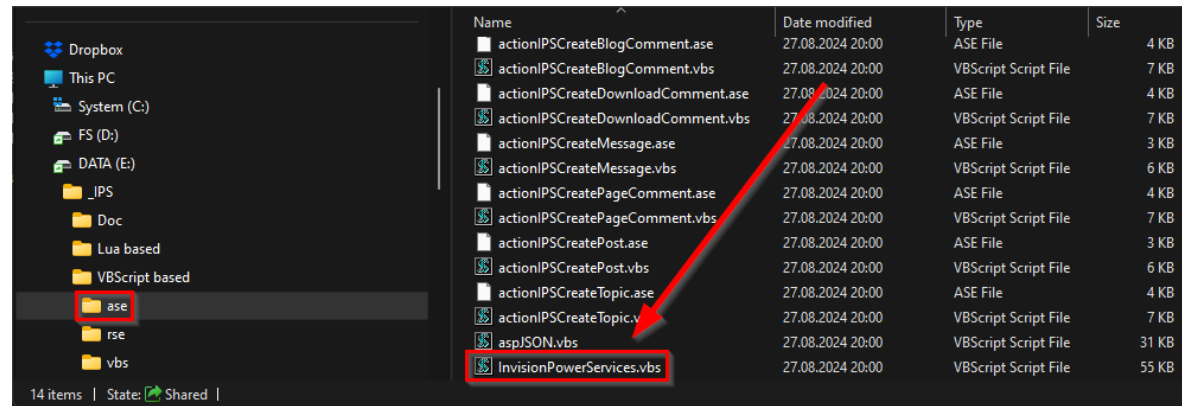
A.4 - Example: Create Download Comment

A.5 - Example: Create Page Comment

A.6 - Example: Create Message

APPENDIX B

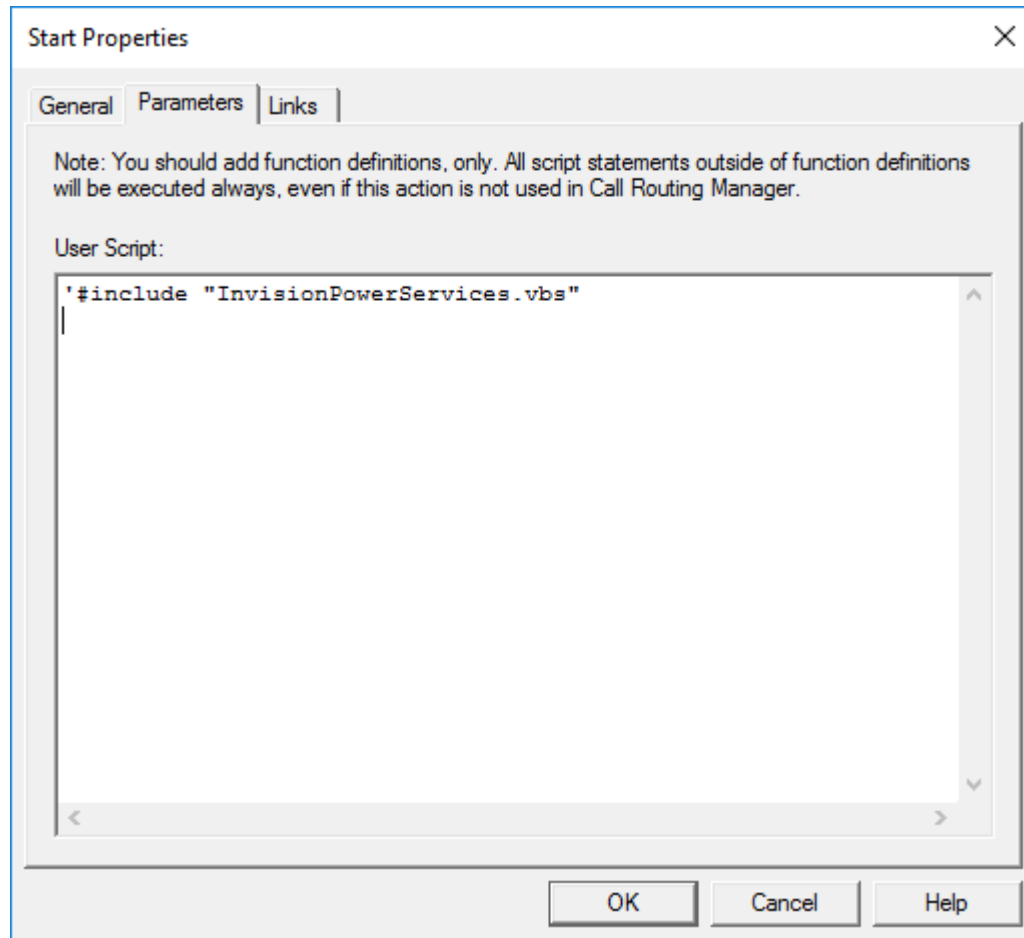
B.1 - Access/modify the code behind



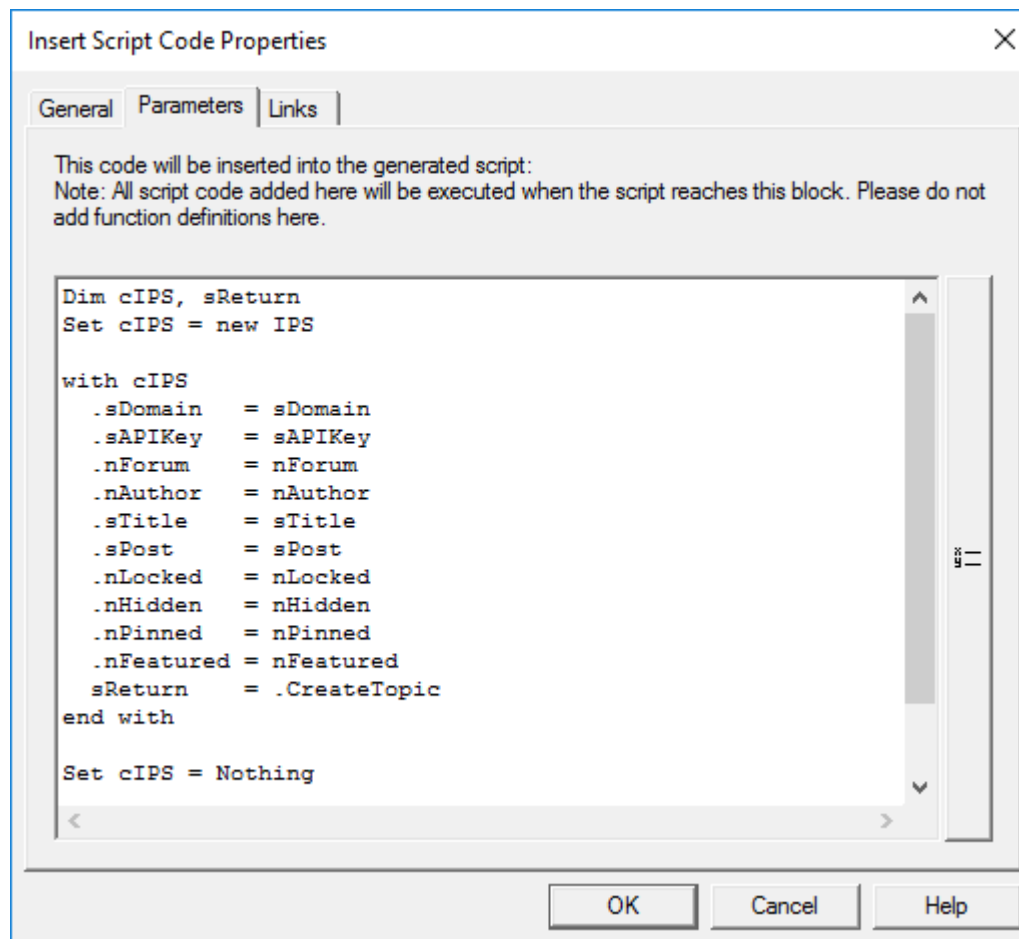
All functionality is encapsulated in a class (IPS), which defines properties for all parameters (with some validation) as also private and public methods.

To make use of the IPS class the **InvisionPowerServices.vbs** file must be included first. This is done in the **"Start"** block of the GSE Action or your own GSE rule.

```
'#include "InvisionPowerServices.vbs"
```



Afterwards the class needs to get instantiated, its properties set and the needed public method/function called. The return value of the function is either "0" (ok) or "1" (failed), so it can be used directly for the exits of a "**Insert Script Code**" or "**Run GSE Action**" block.



And this is exactly what the GSE actions of this project are doing.

In order to make modifications it is not simply possible to modify the InvisionPowerServices.vbs file and re-upload it again into the SwyxWare database. This is because the file is digitally signed, which is necessary to get it included with the **#include** statement.

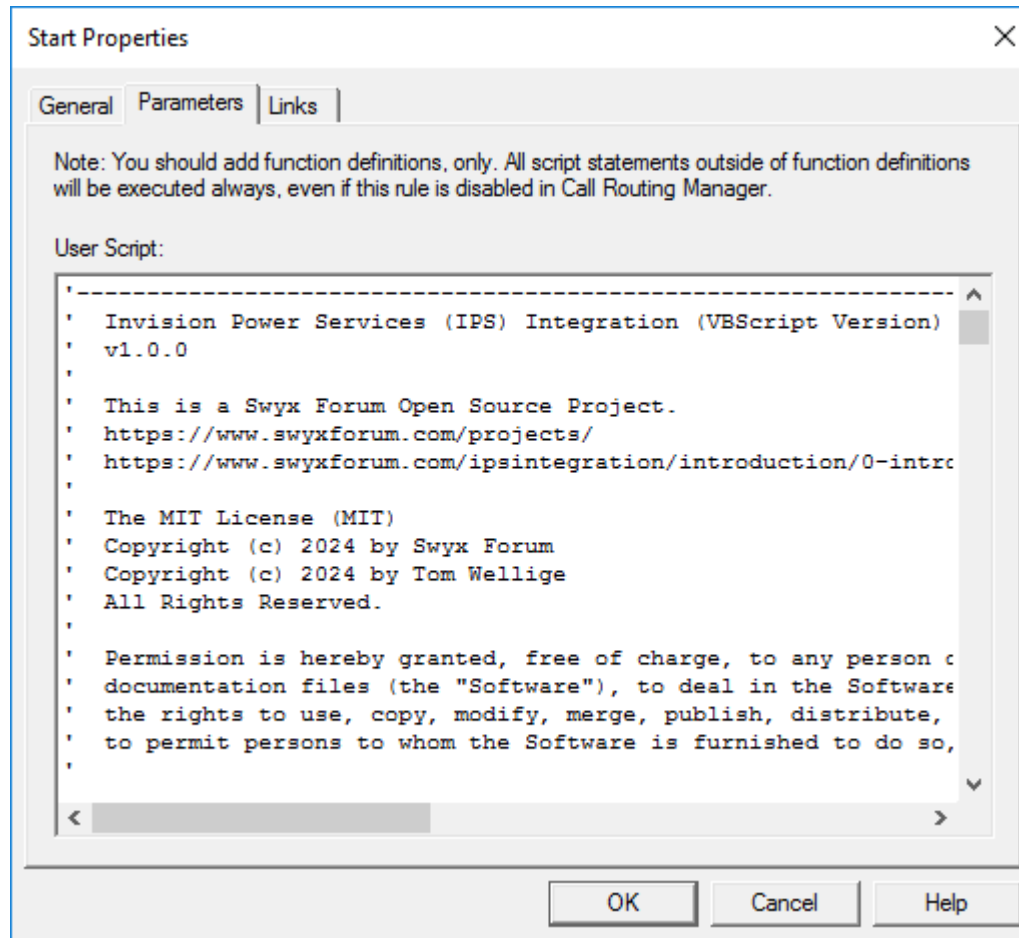
The easiest way to do your own modifications is to forget about the InvisionPowerServices.vbs file all together and use just its content within a start block of a GSE rule (instead of the

#include statement), but without the digital signature.

You can strip the signature yourself from the code (first line and all lines from the bottom), or simply use the content of the start.vbs file from the "vbs" folder or the download package.

```
VBScript based\vbs\start.vbs
```

So just do all your modifications within the **start.vbs** file and afterwards just **copy & paste** the entire content of the file into the "**Start**" block

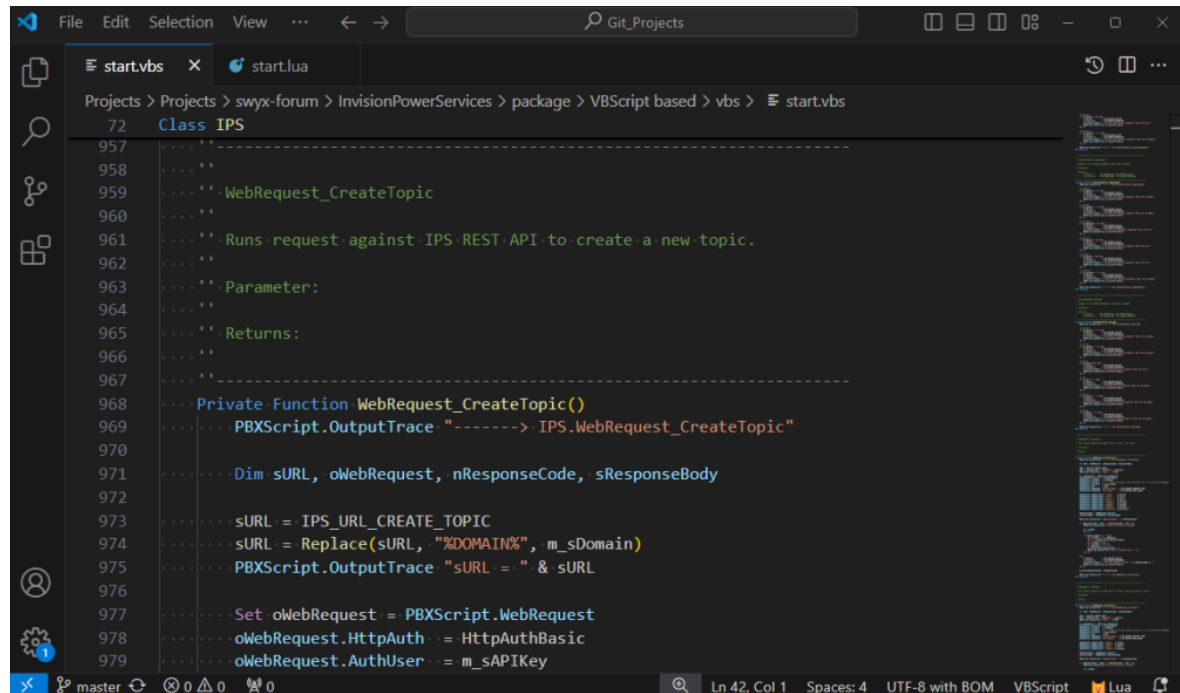


and then use the Insert "**Insert Script Code**" block to instantiate the IPS class and call its functionality

```
Dim c  
Set c = new IPS  
  
with c  
    .sDomain = "https://www.my-community.com"
```

```
.sAPIKey    = "1234567890"  
.nForum     = 30  
.nAuthor    = 3  
.sTitle     = "My first automated topic"  
.sPost      = "Welcome to the world of REST APIs"  
.nLocked    = 0  
.nHidden    = 0  
.nPinned    = 0  
.nFeatured  = 0  
UseExit     = .CreateTopic  
end with  
  
Set cIPS = Nothing
```

It is highly recommended to not do any code modifications directly in the **Start** block, but instead use a proper editor like VS Code or Notepad++.

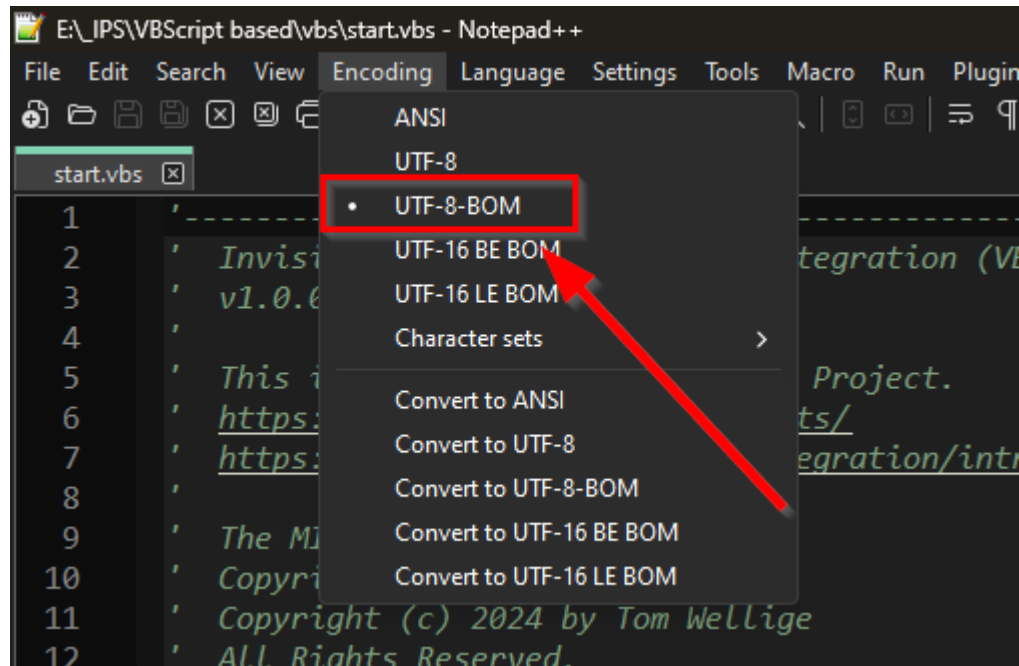


```
72 Class IPS
957
958
959 Private Method WebRequest_CreateTopic
960
961 Private Method WebRequest_CreateTopic
962
963 Private Method WebRequest_CreateTopic
964
965 Private Method WebRequest_CreateTopic
966
967 Private Method WebRequest_CreateTopic
968 Private Function WebRequest_CreateTopic()
969 Private PBXScript.OutputTrace "-----> IPS.WebRequest_CreateTopic"
970
971 Private Dim sURL, oWebRequest, nResponseCode, sResponseBody
972
973 Private sURL = IPS_URL_CREATE_TOPIC
974 Private sURL = Replace(sURL, "%DOMAIN%", m_sDomain)
975 Private PBXScript.OutputTrace "sURL = " & sURL
976
977 Private Set oWebRequest = PBXScript.WebRequest
978 Private oWebRequest.HttpAuth = HttpAuthBasic
979 Private oWebRequest.AuthUser = m_sAPIKey
```

You are now free to to any modifications within the code and use it afterwards in your own GSE rules.

If you want to update the InvisionPowerServices.vbs in the end, you need to update its signature as well. This can be done with the **"SignScript"** tool which can be found in the [Enreach Partner Net](#) (you need a partner login).

In order to get get your own .vbs file signed, make sure that the text encoding is **UTF-8-BOM**. This can easily be checked/configured with Notepad++.



Please feel free to ask any questions regarding the code, implementation or distribution (signing, including, etc.) in the [Open ECR Extensions forum](#).

Most of the above mentioned is also true for the following extensions. So there is lots more to explore 😊

- [Jira Service Integration](#) (REST API usage, API Key/Token authentication)
- [Longest Waiting](#) (Database usage)
- [Open Queue](#) (Database usage)
- [Zendesk Integration](#) (REST API usage, Key/Token authentication)



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