

z/OS V2.5 IBM Education Assistant

Solution Name: z/OSMF Desktop supports syntax highlight in editor and creating private links

Solution Element(s): z/OSMF Core

July 2021



Agenda

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Trademarks

- See url <http://www.ibm.com/legal/copytrade.shtml> for a list of trademarks.
- Additional Trademarks:
 - None.

Objectives

- As a z/OSMF normal user, I hope to create private link for web URL, then I can access it easily.
- As a z/OSMF user, I hope to view XML, HTML, JCL, REXX files/dataset member with syntax highlighted.

Overview

- Who (Audience)

- z/OSMF Users

- What (Solution)

- z/OSMF desktop UI is enhanced to support render a REXX, HTML, XML or JCL file with syntax highlighted, so that z/OSMF users can view or edit the specific files conveniently.
- z/OSMF desktop normal users can create private link for web URL, then they can access it easily.

- Wow (Benefit / Value, Need Addressed)

- With the usage of z/OSMF editor more and more widely, when z/OSMF users edit some specific files such as REXX or JCL, they hope to identify all the keywords or programming syntax easily. This solution can make it possible, that the users can view the contents clearly and avoid some mistakes when editing the contents.
- With this solution, z/OSMF desktop normal users want to access a network link easily, then can create a private link.

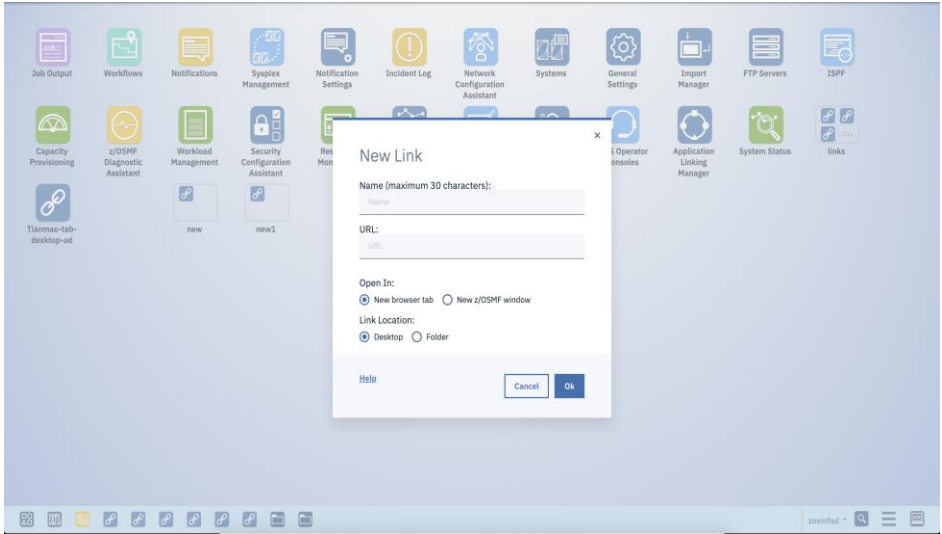
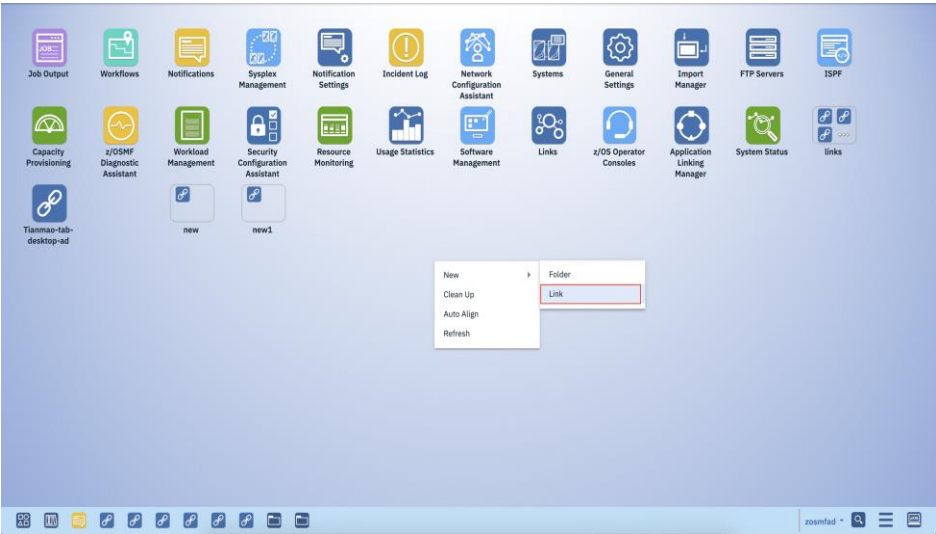
Usage & Invocation

As a normal z/OSMF user, I hope to create private link for web URL, then I can access it easily.

- Click Right Mouse button at the desktop, select “New” and “Link”.
- Input the parameters in the “New Link” panel.
- The private links can be pinned/unpinned to the taskbar, deleted, moved to a folder.

This function is different to the existed function “Link”:

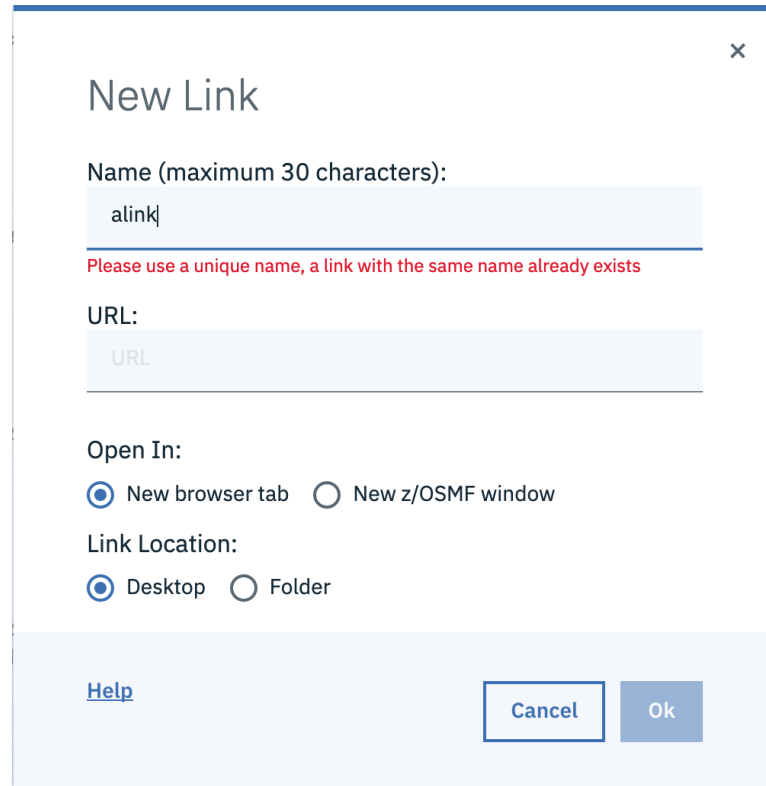
.Difference	Private Link	Existed Link
.Creating links	.Users from IZUADMIN & IZUUSER	.Only Admin
.Visibility	.Only creator	.All users, but only the admin can edit them.



Usage & Invocation

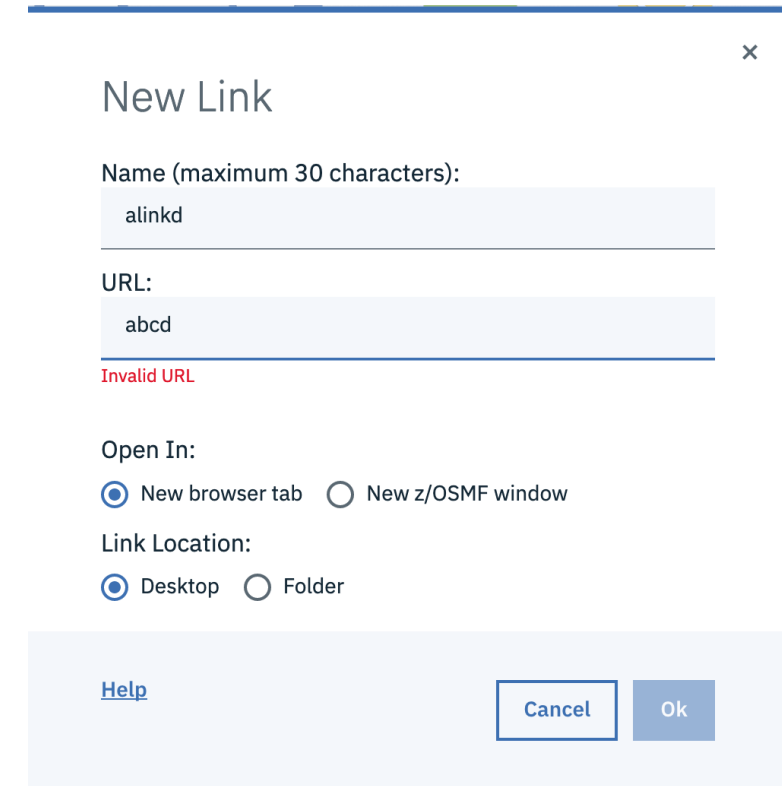
Hint when the input is invalid.

When link name is duplicate with an existing one.



A screenshot of a 'New Link' dialog box. The title bar says 'New Link' with a close button. The form has three sections: 'Name (maximum 30 characters):' with a text input containing 'alink' and a red error message below it that says 'Please use a unique name, a link with the same name already exists'; 'URL:' with a text input containing 'URL'; and 'Open In:' with two radio buttons, 'New browser tab' (selected) and 'New z/OSMF window'. Below that is 'Link Location:' with two radio buttons, 'Desktop' (selected) and 'Folder'. At the bottom are a 'Help' link, a 'Cancel' button, and an 'Ok' button.

When the URL is not valid

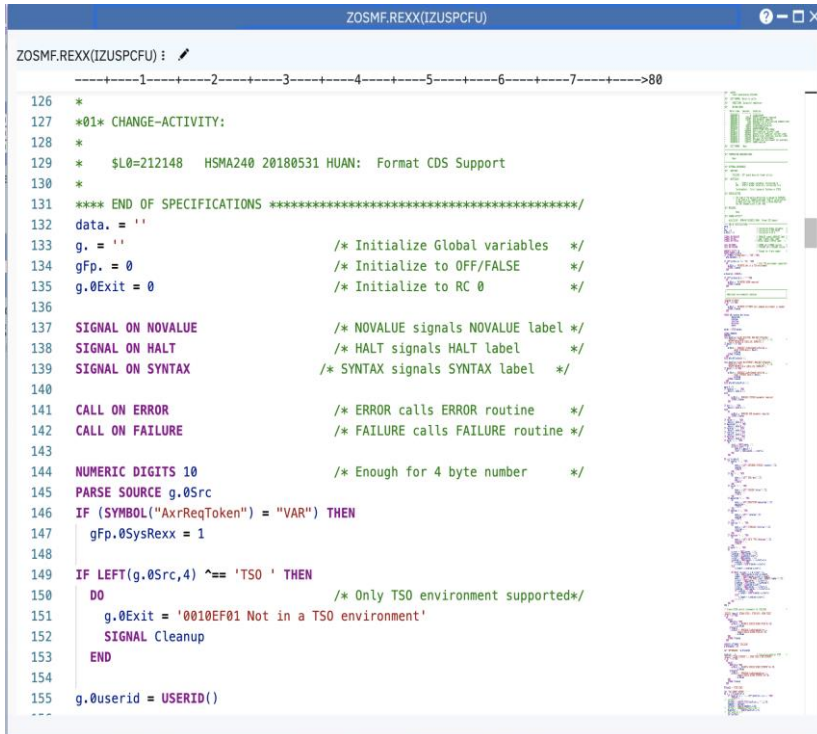


A screenshot of a 'New Link' dialog box. The title bar says 'New Link' with a close button. The form has three sections: 'Name (maximum 30 characters):' with a text input containing 'alinkd'; 'URL:' with a text input containing 'abcd' and a red error message below it that says 'Invalid URL'; and 'Open In:' with two radio buttons, 'New browser tab' (selected) and 'New z/OSMF window'. Below that is 'Link Location:' with two radio buttons, 'Desktop' (selected) and 'Folder'. At the bottom are a 'Help' link, a 'Cancel' button, and an 'Ok' button.

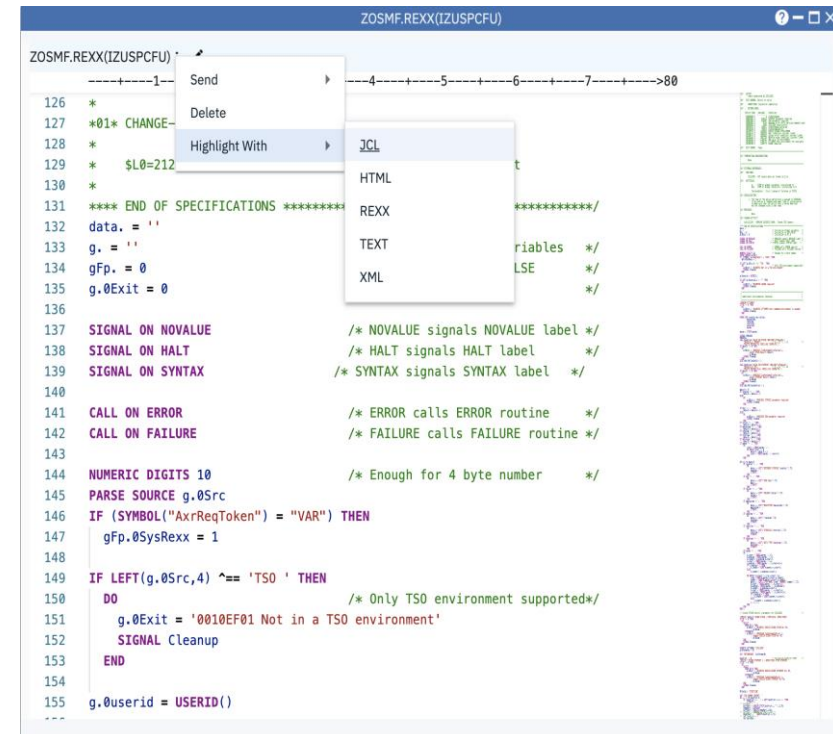
Usage & Invocation

As a z/OSMF user, I hope to view XML, HTML, JCL, REXX dataset member with syntax highlighted.

- Firstly, this new function will try to decide file type by the extended name. If the file type cannot be decided by the extended name, this new function will try to decide the file type by the content. If one of the supported types is matched, the contents will be shown with the keywords highlighted according to the syntax. (snapshot 1)
- if the proposed initial file format (by extended name or file contents) is not good for viewing, the user can specify the format "XML, HTML, JCL, REXX, TEXT" to correct the initial file format by "Highlight With" in more action menu in browse view. (snapshot 2)



The screenshot shows a z/OSMF REXX editor window titled 'ZOSMF.REXX(IZUSPCFU)'. The code is displayed with syntax highlighting: keywords like 'data.', 'g.', 'gFp.', 'g.0Exit.', 'SIGNAL ON NOVALUE', 'SIGNAL ON HALT', 'SIGNAL ON SYNTAX', 'CALL ON ERROR', 'CALL ON FAILURE', 'NUMERIC DIGITS', 'PARSE SOURCE', 'IF', 'DO', 'END', and 'g.0userid' are in various colors (blue, green, red, purple). The code is a REXX program for handling REXX requests, including initialization, error handling, and environment checks.



The screenshot shows the same z/OSMF REXX editor window, but with a context menu open over the code. The menu has options: 'Send', 'Delete', and 'Highlight With'. The 'Highlight With' option is selected, and a sub-menu is displayed with the following options: 'JCL', 'HTML', 'REXX', 'TEXT', and 'XML'. The code in the background is the same as in the previous screenshot, but the highlighting is not yet applied.

Interactions & Dependencies

- Software Dependencies
 - None
- Hardware Dependencies
 - None
- Exploiters
 - None

Upgrade & Coexistence Considerations

- To exploit this solution, all systems in the Sysplex must be at the new z/OS level:
 - No
- List any toleration/coexistence APARs/PTFs.
 - N/A
- List anything that doesn't work the same anymore.
 - N/A
- Upgrade involves only those actions required to make the new system behave as the old one did.
 - N/A
- Coexistence applies to lower level systems which coexist (share resources) with latest z/OS systems.
 - N/A

Installation & Configuration

- None

Summary

- The following z/OS V2R5 item has been explained:
z/OSMF Desktop supports syntax highlight in editor and creating private links.

Appendix

- Publications : N/A