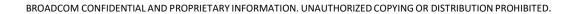


Welcome to z/OSMF Software Update.







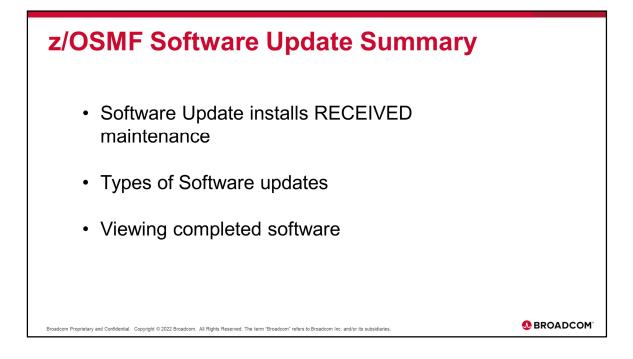
Broadcom is committed to assisting clients to simplify their transition to z/OSMF Software Management of their mainframe software products. This is one of several courses to help clients install and maintain their software products using z/OSMF.





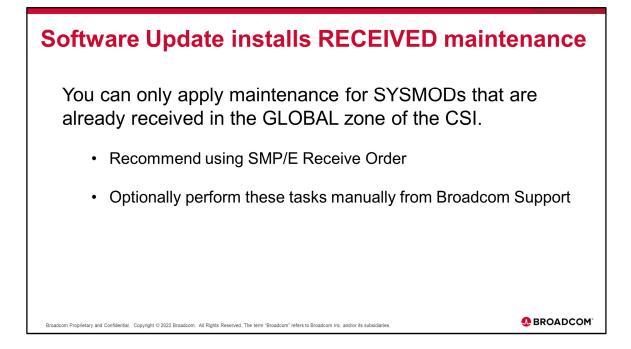
This course will cover the three types of maintenance that can be applied with z/OSMF Software Update.





This session will cover using z/OSMF Software Update to install maintenance.
All maintenance must be SMP/E RECEIVEd before using Software Update.
We will review the three different types of software updates that can be done.
Lastly we will review how the Software Update can be used to review completed software updates.

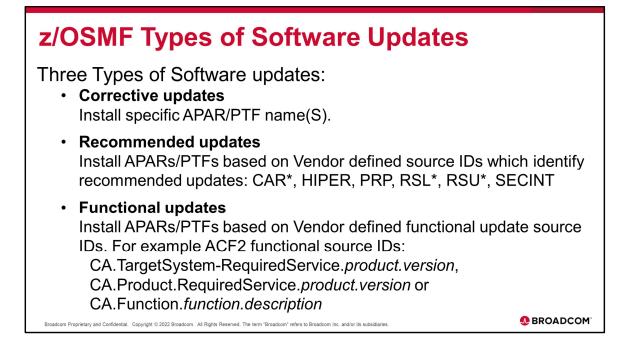




We recommend that you do so on a daily or weekly basis and that you automate this process using SMP/E Receive Order (see <u>Configure</u> SMP/E Internet Service Retrieval).

You can download APARs/PTFs from the Broadcom Support portal in a cart zip file and then use the CAUNZIP utility to unzip and then run a SMP/E RECEIVE.





## Corrective updates

Specify each by APAR/PTF name (ID, 7 alphanumeric characters) separated by comma, space or semicolon. Optionally specify an Upload List text file that lists multiple update names.

## Recommended updates

Install software updates that are recommended by the software vendor based on Vendor defined source ID to identify recommended updates: CAR\*, HIPER, PRP, RSL\*, RSU\*, SECINT

## Functional updates

Install functional software updates to support new hardware, software, or function based on product specific fix categories based on source ID that are associated with available functional.

CA.Function.SCRT.Reporting

CA.Product.RequiredService.CA-Trusted.Access.Manager.V1R1

CA.TargetSystem-RequiredService.z/OS.V2R5

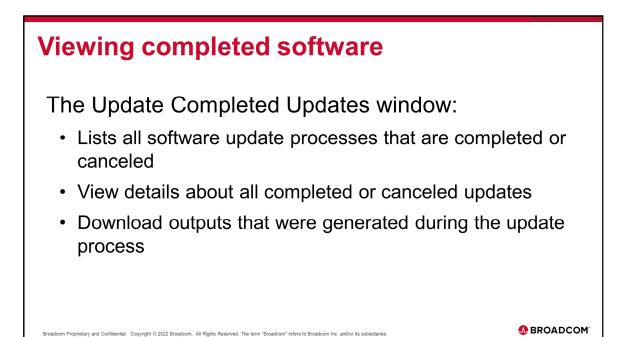
CA.TargetSystem-RequiredService.z/OSMF.V2R5

CA.TargetSystem-RequiredService.CICS.V6R1

CA.TargetSystem-RequiredService.IBM.Multi-FactorAuth.V1R1

CA.TargetSystem-RequiredService.JES3plus.V1R2





Use the Completed Updates window to view details about all completed or canceled software update processes.

The Completed Updates window lists all software update processes that are completed or canceled.

Completed Updates will show the type of updates that were selected for installation, Corrective updates, Functional updates or Recommended. In addition to viewing the details about a completed or canceled update process, you can also download outputs that were generated during the update process.



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Z/OSMF environme	OS Management Facility ent on Mini (DDDD)			LEARN MORE	NEED HELP?
		The highly secu	ome to z/OS ure, scalable and resilient enterprise im for the IBM z Systems mainframe.		
Shopz IBM Support	z Systems Redbooks z/OSMF Home Page	WSC Flashes and Techdocs z/OS Home Page	LOG IN		
				© Copyright IBM Corp. 200	9.2021, Version 2.5

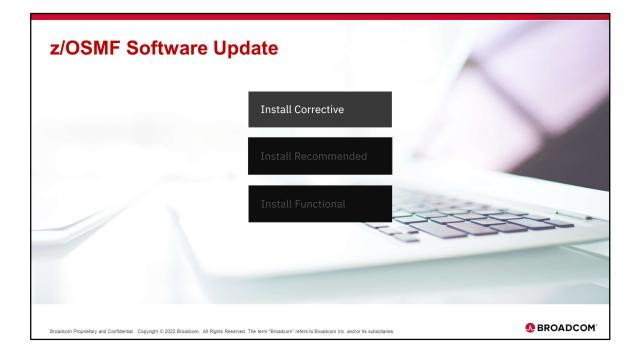
og in to your instance of z/OSMF	



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Job Output	Workflows	Workflow Editor	Notifications	Software Services	Sysplex Management	Notification Settings				
FTP Servers	ISPF	Capacity Provisioning	Import Manager	z/OSMF Diagnostic Assistant	Workload Management	Resource Management				
2000 Links	z/OS Operator Consoles	Application Linking Manager	System Status	B B D links	Software Management	Software Update	•			
Incident Log	Network Configuration Assistant	Security Configuration Assistant	Resource Monitoring	Usage Statistics	General Settings	Systems	IBM ZERT Network Analyzer			
E: M C								user001 ^		

Double Click the Software Update icon on the desktop.





Install Corrective will install corrective software updates to fix a problem. In this situation, you already identified the individual updates that you must install to fix the particular problem, so you specify each by APAR/PTF name (ID, 7 alphanumeric characters) separated by comma, space or semicolon. Optionally specify an Upload List text file that lists multiple update names, the text file list of names are separated by commas, spaces, or semicolons, and that the file is no larger than 500KB.



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Software Update 🛛			Settings 🔞 Help 🕑
Start New Software Update	View Updates in Progress		Show completed updates $igodot$
Coftware Instances and Zones choose a software instance and select a zon Q 08 ×	e for a software update.	_	
Name	↑ System	Description	Status
	DDDD_001	Ę	Ready
Items per page: 50 $\checkmark$ 1-1 of 1 item			1 ✓ oflpage
Refresh		Install Corrective	Install Recommended Install Functional
Last refresh: Aug 13, 2022 4:13:43 PM			
8 📖 賞 💷			user001 ^ 🔳 🝳 💳 📼

Install Corrective Find the Software Instance that you want to perform a software update and click on the down arrow.



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$- \rightarrow C \land //mvsdddd.ldd.dddddd$	d.net:444/zosmf/			Q ☞ ☆ :
		Soft	ware Update	- = ×
Software Update 🛛				Settings 🕲 Help 🚱
Start New Software Update	View Updates in Pr	ogress		Show completed updates 📀
Software Instances and Zones         Choose a software instance and select         Q       08       ×		ate.		
Name	↑	System	Description	Status
^ ACF160_ACF0813		DDDD_001	Ę	Ready
Zone				
CAITO - No recommended	updates have been installed.			
Items per page: 50 ~ 1-1 of 1 it	em			1 ∨ of1page ·
Refresh Last refresh: Aug 13, 2022 4:13:43 PM			Install Corrective	Install Recommended Install Functional
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Broadcom Proprietary and Confidential. Copyrigh	t © 2022 Broadcom. All Rights Re	served. The term "Broadcom" refer	rs to Broadcom Inc. and/or its subsidiaries.	

Check the target Zone and then select one of the three install options available: Install Corrective, Install Recommended and Install Functional are available. In this example 'Install Corrective' is selected.



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Software Update		- 🗆 ×
Software Update / Install Updates		Help 🕑
Install Updates		
Software Instance	Zone	
ACF160_ACF0813	CAITO	
Enter Update Names 🖲	× Submit or Upload List (CSV, 500 ki	B max.)
readcom Proprietary and Confidential. Copyright © 2022 Broadcom. All Rights Reserved. The term "Broadcom" refers to Broadcom Inc.	user001 ~ 🔳 🔍 🚍	ROADC

In the **Enter Update Names** field, enter the full name of the update, for example RO12345, that you want to install.

**Note:** To install more than one update, enter all the names and separate them with commas, spaces, or semicolons.

When you are done entering names, press Submit.

Upload list

To use a text file that lists multiple update names, click **Upload list**.

**Important:** Ensure that the update names in the file are separated by commas, spaces, or semicolons, and that the file is no larger than 500KB.



	Soft	itware Update		순 쇼 의 >ㅁ-
Software Update / Install Updates		mare opoure		Help 🔮
Install Updates				
Software Instance		Zone		
ACF160_ACF0813		CAITO		
Enter Update Names ()			× Submit	or Upload List
		7		(CSV, 500 kB max.)
Ready (2)	Not Installable (0)			
2 items selected				Install selected 💿   Cancel
Update Name		Status		
✓ LU03628		Ready		I
LU03634		🛛 Ready		Ĩ
				Cancel

Check the 'Update Name' box to select all PTFs to install then click on 'Install selected'.

Note if you get:

IZUDXAPL rexx exec did not start processing correctly.

IKJ56423I REGION SIZE 0050000 EXCEEDS LIMIT SIZE 0004096 IKJ56429A REENTER -

IKJ56700A ENTER REGION SIZE -

To prevent **exceeds maximum region size** errors, verify that the z/OSMF user

S TSO maximum region size is a minimum of 65536 KB for the z/OS system. Change your TSO region size.



					Softw	are Update			Q	-
Prepa	aring Updates				50110	are opuate			Help 🕑	
Prep.     Upda		O Verifying Updates	O Pre-install Summary	<ul> <li>Installing</li> <li>Updates</li> </ul>	O Review Post- installation HOLDs	O Installation Summary				
Softw	are Instance				Zone		Notes			
ACF16	60_ACF0813				CAITO		Use a maximum of 140 characters per note.	Edit Notes		
Proce	\$\$			Status						
Prepa	aring Updates		4	New HOLDs Fo	und					
							Cancel	Save and Exit	Next	
	<b>e</b>								· <b>II</b> Q =	• •

This is the first of seven 'Preparing Updates installations steps.', click 'Next' to continue.



						- 0
Resolve HOLDs 🛛						Help 🚱
Preparing     Preparing     Updates     HOLDs	Verifying O Pre-install Updates Summary	O Installing C Updates	) Review Post- O Installa installation Summa HOLDs			
Software Instance			Zone	Notes		
ACF160_ACF0813			CAITO	Use a maximum of 1	140 characters per note. Edit Note	\$
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Filter by Type	Fil	ter by Reason				Reset all filters 💍
ERROR (0) SYSTEM (2)	FIXCAT (0)     USER (0)     I	JYNACT (2)				
Q						Export 🕁
С. Туре	Reason		FMID		Update Name	Export 攴
	Reason		FMID CAX1G03		Update Name	Export 🕁
🗌 Туре						Export 👱
□ Type	DYNACT		CAX1G03		LU03628 LU03634	Export &

The 'Resolve Holds' step allows you to view and select if you want to resolve, resolve after installation or exclude. You can also click the down arrow by the PTF to display the holddata, for example:



ACTUO     Determined 1/16 determines reasons            • Mandow ()	Notation (1)       Notation (2)       Notation (2)         Notation (2)       Notation (2)       No	Software Instance		Software Lipitate Zone Note:	•	_	×
Interform       Tard hands       Observation         0       <	metry metry       metry metry       metry metry                 metry metry               metry metry               metry metry               metry metry               metry metry               metry metry               metry            metry               metry               metry               metry               metry               metry               metry               metry               metry               metry               metry               metry	ACF160_ACF0813		CAITO Use a	maximum of 140 characters per note. Edit Notes		
Image: Section (Image: Section	Image:	Unresolved (2)	Resolved (0)	Resolve after Installation	(0) Excluded (0)		
type         Reason         PR00         Update Name           • SYSTEM         DYMACT         CASSOS         LUSSASS           • ***0005.000 SYSTEM PHF12 (22077) (10000000 1 / 1000 PHF12 (22077) (10000000 1 / 1000 PHF12 (22077) (10000000 1 / 1000 PHF12 (22077) (1000000 1 / 1000 PHF12 (22077) (100000 1 / 10000 PHF12 (22077) (1000000 1 / 1000 PHF12 (22077) (1	Instrume     Product     Product     Cuture       • Instrume     • Instrume     • Instrume     • Instrume       • Instrum     • Instrume					Reset all filters $ \mathbb{C} $	
• STEM         DVALCT         CALSOS           • **ELG. (USBASS)         STEM * (L2027)           • **ELG. (USBASS)         STEM	VITIN     PVACT     CASCO3     LUSINGS	٩				Export 🕹	
etc.0. (UNDATS) SSTEP #EDD(CALGOS) Exception (Control )         AC2 for 1/0       Version 10.0         AC2 for 1/0       Version 10.0         Interest i faster accele       Interest i faster accele         INDEDEE 1/05 Console constants       Interest i faster accele         INDEX       Note WC2       Rescription i faster accele         INDEX       Note WC2       Note WC2 Part Provide Console constants	Head (100531)     STITE #FD(CCE00)       Constraint     At 2 for 1/0       Constraint     At 2 for 1/0       Constraint     At 2 for 1/0       Interest     Interest	П Туре	Reason	FMID	Update Name		
		REAGE (PMACT ) BATT (2 COMMENT) ACC2 for x/05 FORMER ( FORMER ) FORMER ) FORMER ( FORMER ) FORMER ( FORMER ) FORMER ) FO	Version 14.4				

Here is the holddata for PTF LU03628.



and the second se	and the second se	Software Update		
Resolve HOLDs 🛛				Help 😧
Preparing     Preparing	O Pre-install O Installing O Summary Updates	Review Post-     O Installation     installation     Summary     HOLDs		
Software Instance		Zone	Notes	
ACF160_ACF0813		CAITO	Use a maximum of 140 characters per note. Edit Notes	
Unresolved (2)	Resolved (0)	Resolve after Insta	tallation (0) Excluded (0)	
Filter by Type	Filter by Reason		Res	et all filters 🖒
2 items selected		Resolve HOL	LD Resolve HOLD after Installation Exclude Update from Installation	n   Cancel
Туре	Reason	FMID	Update Name	
V 🗹 SYSTEM	DYNACT	CAX1G03	LU03628	
V 🗹 SYSTEM	DYNACT	CAX1G00	LU03634	
			Cancel Save and Exit	Next

In this example we are selecting 'Resolve HOLD after Installation.



Preparing Updates         Resolve HOLDs         O         Verifyin Updates		O Review Post- O Installation		Help 🚱
<ul> <li>Preparing</li> <li>Resolve</li> <li>Verifyin</li> <li>Updates</li> <li>HOLDs</li> <li>Updates</li> </ul>				
	summary opdates	installation Summary HOLDs		
Software Instance		Zone	Notes	
ACF160_ACF0813		CAITO	Use a maximum of 140 characters per note. Edit Notes	
Unresolved (0)	Resolved (0)	Resolve after In	nstallation (2) Excluded (0)	
Filter by Type	Filter by Reason			Reset all filters 🖒
Q				Export 🛓
🗌 Туре	Reason	FMID	Update Name	
There are no HOLDs to display				
			Cancel Save and E	Exit Next
	Unrecolund (0) Filter by Type C REINOR (0) SYSTEM (0) PERCAT (0) Q Type	Unrecolved (0)         Resolved (0)           Filter by Type         Filter by Titler by Reson           C SERIOR (0)         If SERIOR (0)         OVER (0)           Q         Process         Process	Unresolved (0)         Resolved (0)         Resolved (0)         Resolved after In           Filter by Type         Filter by Type         Filter by Type         Filter by Type           Insolved (0)         Insolved (0)         Insolved (0)         Insolved (0)         Resolved after In           Insolved (0)         Insolved (0)         Insolved (0)         Insolved (0)         Resolved after In           Insolved (0)         Insolved (0)         Insolved (0)         Insolved (0)         Insolved (0)           Insolved (0)         Insolved (0)         Insolved (0)         Insolved (0)         Insolved (0)           Insolved (0)         Insolved (0)         Insolved (0)         Insolved (0)         Insolved (0)	Unresolved (d)         Resolve after Installation (2)         Exclude (d)           Fiber by Type         Fiber by Type         Fiber by Type           C         C         C         C           There are no HCUDs to display         Fiber by Type         Fiber by Type         Fiber by Type

Now all of the HOLD have been resolved since the holds will be resolved after installation.



← → C ☆ //mvsdddd.	ldd.ddddddd.net:444/zosmf/		Software Update		Q ピ☆
	Verifying Updates		Software Update		Help 🕑
	Preparing     O     Preparing     Updates     HOLDs     Updates		O Review Post- O Installation installation Summary HOLDs		
	Software Instance		Zone	Notes	
	ACF160_ACF0813		CAITO	Use a maximum of 140 characters per note. Edit Notes	
	Process	Status			
	Verifying Updates	ODD Done			
				Cancel Save and	Sir Nex
# III 🗳 💷					

Next the Updates will be verified by z/OSMF, after the status displays 'Done', then click 'Next' to continue.



				Softw	are Update			
Pre-install Summar	/							Help 🕜
Preparing     Updates     Preparing     HOLDs	<ul> <li>Verifying Updates</li> </ul>	<ul> <li>Pre-install</li> <li>Summary</li> </ul>	O Installing Updates	O Review Post- installation HOLDs	O Installation Summary			
Software Instance				Zone		Notes		
ACF160_ACF0813				CAITO		Use a maximum of 140 characters per note.	Edit Notes	
Updates to be installed								Export 🗸
								Export $\Psi$
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Will be installed (2) Excluder	(0) 🗌 Will be insta	alled (satisfies deper	idencies) (0)		tion Status installed			
Update Name	I (0) 🗌 Will be insta	alled (satisfies deper	dencies) (0)	Will be				
Will be installed (2) Excludes Q Update Name LU03628		alled (satisfies deper	dencies) (0)	Will be	installed		1~	of 1 page · ·
Viii be installed (2) Excluden Update Name LU03628 LU03634		alled (satisfies deper	idencies) (0)	Will be	installed	Cancel	1 ∼ Save and Exit	of 1 page · · ·

The 'Pre-Install Summary' displays the PTFs to be installed, click 'Next' to continue.



			Software Upd	ate	ର୍ଜ
Installing L	pdates				Help 😧
<ul> <li>Preparing Updates</li> </ul>	Resolve      Verifying     HOLDs     Updates	<ul> <li>Pre-install</li> <li>Installir</li> <li>Summary</li> <li>Updates</li> </ul>		nstallation ummary	
Software Instar	:e		Zone	Notes	
ACF160_ACF08	3		CAITO	Use a maximum of 140 characters per not	te. Edit Notes
Process		S	tatus		
Installing Upda	tes	Done			
				Cancel	Save and Exit Next

The 'Installing Updates' step will apply the apars, after the Status displays 'Done', click on 'Next' to continue.



		Software Update		
Review Post-installation	n HOLDs			Help 😧
Preparing         Resolve           Updates         HOLDs	<ul> <li>Verifying</li> <li>Pre-install</li> <li>Installing</li> <li>Updates</li> <li>Summary</li> <li>Updates</li> </ul>	<ul> <li>Review Post- O Installation installation Summary HOLDs</li> </ul>		
Software Instance		Zone	Notes	
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2 items selected				Resolve HOLD   Cancel
📫 🗹 Туре	Reason	FMID	Update Name	
V SYSTEM	DYNACT	CAX1G03	LU03628	
V SYSTEM	DYNACT	CAX1G00	LU03634	
				Save and Exit Next
x 🗈 📑				user001 - 📕 🔍 💳

The 'Review Post-installation HOLDs' allow you to review and complete the HOLDs, once the HOLDs are satisfied, click on the 'Type' box to select all apars, then click on 'Resolve HOLD' to continue.



			0.0	are Update				
			Softwa	ire Update				
Review Post-installat	ion HOLDs						Help 💡	
<ul> <li>Preparing Updates</li> <li>Q Resolve HOLDs</li> </ul>	<ul> <li>Verifying</li> <li>Updates</li> <li>Verinstall</li> <li>Summary</li> </ul>	<ul> <li>Installing Updates</li> </ul>	<ul> <li>Review Post- installation HOLDs</li> </ul>	O Installation Summary				
Software Instance			Zone		Notes			
ACF160_ACF0813			CAITO		Use a maximum of 140 characters per note.	Edit Notes		
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Q							Export 🕁	
🗌 Туре	Reason		FMID		Update Name			
There are no HOLDs to display								
						Save and Exit	Next	÷
								1

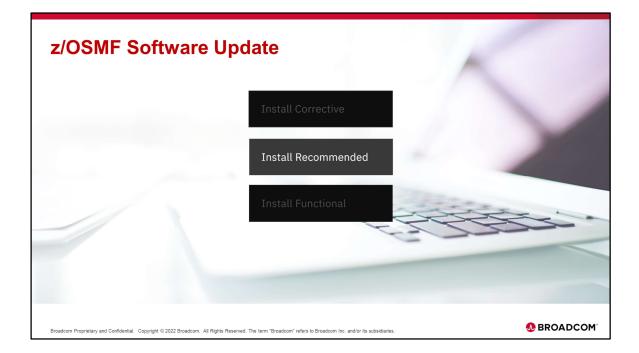
Now that the HOLDs are resolved, click 'Next' to continue.



Installation Summary							Help	P 0	
Preparing      Preparing      Preparing      Preparing      HolDs	<ul> <li>Verifying</li> <li>Updates</li> <li>Verifying</li> <li>Pre-install</li> <li>Summary</li> </ul>	<ul> <li>Installing Updates</li> </ul>	<ul> <li>Review Post- installation HOLDs</li> </ul>	<ul> <li>Installation</li> <li>Summary</li> </ul>					
Software Instance			Zone		Status				
ACF160_ACF0813			CAITO		<ul> <li>Completed</li> </ul>				
Downloads	File ty	pe							
. ↓ All SMP/E Output	ZIP								
∠Post-installation HOLDs	TXT								
	TXT								
						-	Close		
						user001 *	Q	Ξ	
] 🎟 📑 💷							_	_	_

You can optionally click on the Download links to download the desired SMP/e output. After doing so, click 'Close' to finish the 'z/OSMF Install Corrective' maintenance.





Install Recommended will install software updates that are recommended by the software vendor. The Software Update task uses the vendor defined source ID to identify recommended updates: CAR\* HIPER PRP RSL\* RSU\* SECINT



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	Softw	are Update		
Software Update 🛛			Settings   Help	)
Start New Software Update	View Updates in Progress		Show completed updates	\$
Software Instances and Zones				
Choose a software instance and select a zone for	a software update.			
Q. 08 ×				
Name	↑ System	Description	Status	
ACF160_ACF0813	DDDD_001	Ę	Ready	
Zone				
CAITO - No recommended updates have	e been installed.			
Items per page: 50 v 1-1 of 1 item			1 v of 1 page	
Refresh Last refresh: Aug 13, 2022 6:55	:56 PM	Install Corrective In	nstall Recommended 🔶 Install Functional	
				_
			user001 - 🔲 🔍	= 📼

Find the Software Instance that you want to perform a software update and click on the down arrow, check the target zone and click on 'Install Recommended to continue.



IBM z/OS Management Facility × +		v – 0 ×
← → C △ //mvsdddd.ldd.ddddddd.net444/zosmf/		Q 🖻 🛧 :
Software Update		
Software Update / Finding Updates		Help 😮
Finding Updates		
Software Instance	Zone	
ACF160_ACF0813	CAITO	
Recommended updates have been found and are ready to be installed. Click: "Next" to install the updates.     Jownload full SMP/E output (ZIP file)		
		Cancel Next
_		user001 ^ 🔳 🔍 🖃 🖾
FindingUpdates-0 (1).zip		Show all
kroadcom Proprietary and Confidential. Copyright © 2022 Broadcom. All Rights Reserved. The term "Broadcom" refers to Broadcom inc. an	d/or its subsidiaries.	BROADCC

The 'Install Recommended' will select apar based on sourceid: APPLY SOURCEID(RSU\* SECINT HIPER CAR\* RSL\* PRP) GROUP BYPASS(HOLDFIXCAT HOLDSYSTEM HOLDUSER) CHECK Optionally by clicking the 'Download full SMP/E Output you can download the output showing the apars found based on sourceid.



			Softwa	ire Update			
Preparing Update	S						Help 🕑
Preparing O Resol     Updates HOLD			O Review Post- installation HOLDs	O Installation Summary			
Software Instance			Zone		Notes		
ACF160_ACF0813			CAITO		Use a maximum of 140 characters per note.	Edit Notes	
Process		Status					
Preparing Updates		🛕 New HOLDs Fou	und				
					Cancel	Save and Exit	Next
X III 📑 📃						user001 ^	<b>Q</b> =

This is the first of seven installations steps. 'Preparing Updates', click 'Next' to continue.



						Software Update						
Resolve I	HOLDs 🛛										Help 💡	
<ul> <li>Preparing</li> <li>Updates</li> </ul>	Resolve HOLDs	O Verifying Updates	O Pre-install Summary	<ul> <li>Installing Updates</li> </ul>	O Review Po installatio HOLDs							
Software In:	stance				Zone		Notes					
ACF160_AC	F0813				CAITO		Use a maximum	of 140 characters per note	Edit Notes			
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-			_									_
Filter by Type			Fi	ilter by Reason								
	SYSTEM (52)				IPI (3)		TT (2)			Rosot al	ll filters 🖒	
Filter by Type	SYSTEM (52)	FIXCAT (0)	Fi		IPL (3) [	] MULTSYS (2) □ EX	IT (2)			Reset al	ll filters 👌	
	_	FIXCAT (0)			IPL (3) [	MULTSYS (2) EX		HOLD after Installation	Exclude Update from		ll filters උ	
ERROR (0) 52 items set	_	FIXCAT (0)			IPL (3) [	Resolve H0		HOLD after Installation	Exclude Update from			
ERROR (0)	ected	FIXCAT (0)	USER (0)			Resolve H0			Exclude Update from			
ERROR (0)	ected Type STEM	FIXCAT (0)	USER (0)			Resolve H		Update Name	Exclude Update from			
ERROR (0)	ected Type STEM	FIXCAT (0)	USER (0)			Resolve H0 FMID CAX1G00		Update Name	Exclude Update from			
ERROR (0) 52 items set	ected Type STEM STEM	FIXCAT (0)	USER (0) C			Resolve HO FMID CAX1G00 CAX1G00		Update Name LU01752 LU01824	Exclude Update from			
ERROR (0) 52 items sel 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	rected Type STEM STEM STEM STEM	EIXCAT (0)	USER (0)			Resolve HC FMID CAX1G00 CAX1G00 CAX1G00		Update Name LU01752 LU01824 LU02083	Exclude Update from			

The 'Resolve Holds' step allows you to view and select if you want to resolve, resolve after installation or exclude. Check the 'Type' box to select all apars, then select 'Resolve HOLD after installation' to proceed.



Software Instance       O Verifying Updates       O Pre-install Summary       O Installation Updates       O Installation installatinstallatinstent installation installation installatinstalation ins	Help
Updates HOLDs Updates Summary Updates installation Summary HOLDs Software Instance Zone Notes	
ACF160_ACF0813 CAITO Use a maximum of 140 characters per note. Edit Notes	
Unresolved (0) Resolved (0) Resolve after Installation (52) Excluded (0)	
Filter by Type         Filter by Reason         Ri           ERROR (0)         III SYSTEM (0)         ERROR (0)         USER (0)         DYNACT (0)         IPL (0)         MULTSYS (0)         EXT (0)	Reset all filters
	Export
Type Reason FMID Update Name	
There are no HOLDs to display Cancel Save and Exit	

Now all of the HOLD have been resolved since the holds will be resolved after installation. Click 'Next' to proceed.



							_
			Software Update				
Verifying Updates						Help 🚱	
<ul> <li>Preparing</li> <li>Updates</li> <li>Preparing</li> <li>Resolve</li> <li>HOLDs</li> </ul>	Verifying O Pre-install     Updates Summary	O Installing O Revi Updates insta HOL	Ilation Summary				
Software Instance		Zone		Notes			
ACF160_ACF0813		CAITO		Use a maximum of 140 characters per note.	Edit Notes		
Process		Status					
Verifying Updates	e	Done					
				Cancel	Save and Exit	Next	+

Next the Updates will be verified by z/OSMF, after the status displays 'Done', then click 'Next' to continue.



Preparing Presolve Verifying Pre- Updates HOLDs Updates Sun	Software Update Install () Installing () Review Post () Installati mary Updates installation Summary HOLDs		ର ଜ ☆
Software Instance	Zone	Notes	
ACF160_ACF0813	CAITO	Use a maximum of 140 characters per note. Edit Not	tes
Updates to be installed			Export 🛓
Filter by Installation Status			
Will be installed (54) Excluded (0) Will be installed (satis	fies dependencies) (0)		
Q			
Update Name	Installation Status		
LU01752	Will be installed		
LU01824	Will be installed		
LU02738	Will be installed		
LU02855	Will be installed		
Items per page: 10 ~ 1-10 of 54 items			1 ∨ of 6 pages · ·
		Cancel Save and E	Exit Next 🥠

The 'Pre-Install Summary' displays the PTFs to be installed, click 'Next' to continue.



			Softw	are Update			
Installing Updates				no opouro			Help
Preparing     O     Resolve     Updates     HOLDs	<ul> <li>Verifying</li> <li>Pre-insta</li> <li>Updates</li> <li>Summary</li> </ul>		O Review Post- installation HOLDs	O Installation Summary			
Software Instance			Zone		Notes		
ACF160_ACF0813			CAITO		Use a maximum of 140 characters per note.	Edit Notes	
Process		Status					
Installing Updates		One					
					Cancel	Save and Exit	Next
M 📑 👳						user001 *	

The 'Installing Updates' step will apply the apars, after the Status displays 'Done', click on 'Next' to continue.



		Software Update		
Review Post-installation	HOLDs			Help 🕑
Preparing     Preparing     Preparing     Preparing     HOLDs	Verifying      Pre-install      Installing     Updates     Summary     Updates	<ul> <li>Review Post-</li> <li>Installation</li> <li>installation</li> <li>Summary</li> <li>HOLDs</li> </ul>		
Software Instance		Zone Notes	1	
ACF160_ACF0813		CAITO Use a l	maximum of 140 characters per note. Edit Notes	
Unresolved (52)	Resolved (0)			
Filter by Type	Filter by Reason			Reset all filters 🖒
ERROR (0) SYSTEM (52)	FIXCAT (0) USER (0) DYNACT (45)	IPL (3)		
52 items selected			•	Resolve HOLD   Cancel
туре	Reason	FMID	Update Name	
V SYSTEM	DYNACT	CAX1G00	LU01752	
	DYNACT	CAX1G00	LU01824	
V SYSTEM				
<ul><li>✓ SYSTEM</li><li>✓ SYSTEM</li></ul>	IPL	CAX1G00	LU02083	
-	IPL DYNACT	CAX1G00 CAX1G00	LU02083 LU02126	
<ul> <li>✓ SYSTEM</li> </ul>				

The 'Review Post-installation HOLDs' allow you to review and complete the HOLDs, once the HOLDs are satisfied, click on the 'Type' box to select all apars, then click on 'Resolve HOLD' to continue.



		Software Update		
Review Post-installat	tion HOLDs			Help
Preparing     Updates     Preparing     HOLDs	⊘ Verifying Updates ⊘ Pre-install ⊘ Installing Updates	Review Post-     O Installation     summary     HOLDs		
Software Instance		Zone	Notes	
ACF160_ACF0813		CAITO	Use a maximum of 140 characters per note.	Edit Notes
Unresolved (0)	Resolved (52)			
Filter by Type	Filter by Reason			Reset all filters
ERROR (0)     SYSTEM (0)	FIXCAT (0)     USER (0)     DYNACT (0)	] IPL (0)	EXIT (0)	
Q				Export
П Туре	Reason	FMID	Update Name	
There are no HOLDs to display				
				Save and Exit Next

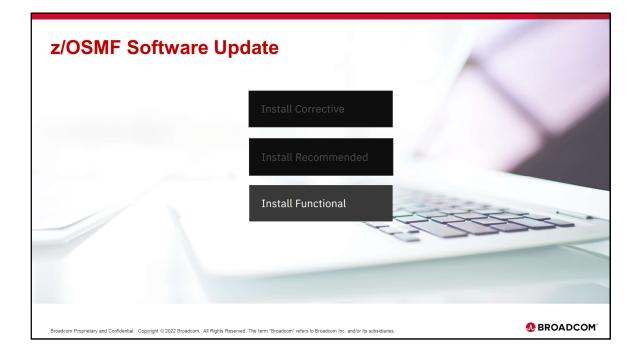
Now that the HOLDs are resolved, click 'Next' to continue.



		Software Upd	ate	
Installation Summary				Help
Preparing     Preparing			nstallation ummary	
Software Instance		Zone	Status	
			• Finalizing Software Update	
Downloads	File type			
↓All SMP/E Output	ZIP			
	TXT			
All HOLDs	ТХТ			
				Close

You can optionally click on the Download links to download the desired SMP/e output. After doing so, click 'Close' to finish the 'z/OSMF Install Recommended' maintenance.





Install Functional will Install functional software updates to support new hardware, software, or function. The Software Update task identifies the product specific fix categories based on source ID that are associated with available functional.



//mvsdddd.ldd.ddddddd.net:444/zosmf/		ftware Update	Q 년 ☆
Software Update 🖲	30	nware opuare	Settings 🕲 Help 😧
Start New Software Update	View Updates in Progress		Show completed updates
Software Instances and Zones	Non oparies in rogicus		
Choose a software instance and select a zone for	a software update.		
Q. 08 ×			
Name	↑ System	Description	Status
ACF160_ACF0813	DDDD_001	Ę	Ready
Zone			
CAITO - Recommended updates were l	last installed on Aug 13, 2022 7:15:26 PM		
Items per page: 50 v 1-1 of 1 item			1 ∨ of 1 page
Refresh Last refresh: Aug 13, 2022 7:17	:38 PM	Install Corrective	Install Recommended Install Functional
			user001 * 📕 🔍 🚍 📼

## Install Functional

Find the Software Instance that you want to perform a software update and click on the down arrow.

Check the target Zone and then select one of the three install options available: Install Corrective, Install Recommended and Install Functional are available. In this example 'Install Functional' is selected. Since the three types of maintenance installs are similar, we will only go over the differences for 'Install Functional'.



← → C ☆ //mvsdddd.ldd.ddddddd.net:444/zosmf/			Q 년 ☆
	Software Update		
Software Update / Fix Categories for Functional Updates			Help
Fix Categories for Functional Updates Select categories to install associated software updates.			
Software Instance		Zone	
ACF160_ACF0813		CAITO	
2 items selected			Install selected 💿   Cancel
Fix Categories			
CA.TargetSystem-RequiredService.CICS.V6R1			
CA.TargetSystem-RequiredService.JES3plus.V1R2			
			Cancel
88 🔟 😅 🧕			user001 * 📕 🔍 🗮 🖾

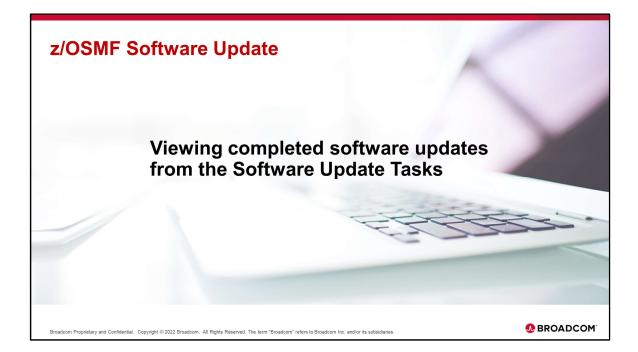
For 'Install Functional', sourceids CA.Function, CA.Product.RequiredService, and CA.TargetSystem-RequiredService type sourceids will be selected. For this example with ACF2 there were two CA.TargetSystem-RequiredService sourceid found. Check the 'Fix Categories' box to select all of the functional updates found, then click on 'Install selected' to proceed.



				Software U	Iodate			
Pre-install Summ	ary							Help
<ul> <li>Preparing</li> <li>Updates</li> <li>HOLD</li> </ul>		<ul> <li>Pre-install</li> <li>Summary</li> </ul>	O Installing Updates		Installation Summary			
Software Instance				Zone		Notes		
ACF160_ACF0813				CAITO		Use a maximum of 140 characters per note.	Edit Notes	
Updates to be insta	ed							Export
Filter by Installation Status								export
Will be installed (3) Exc	ıded (0) 🗌 Will be ins	talled (satisfies depen	dencies) (0)					
Will be installed (3) Exc	uded (0) 🗌 Will be ins	talled (satisfies depen	dencies) (0)					
_	uded (0) 🗌 Will be ins	talled (satisfies deper	idencies) (0)	Installation	Status			
٩	uded (0) 🗌 Will be ins	talled (satisfies depen	dencies) (0)	Installation : Will be instal				
Q. Update Name	uded (0) UNII be ins	talled (satisfies deper	idencies) (0)		lled			
Q Update Name LU05898	uded (0)	talled (satisfies deper	dencies) (0)	Will be instal	lled			
Q. Update Name LU05898 LU06008		talled (satisfies depen	dencies) (0)	Will be instal	lled		1 × 0	f1page ·
Q Update Name LU05698 LU06608 LU06682		talled (satisfies depen	dencies) (0)	Will be instal	lled	Canoel	1 × d Save and Exit	of 1 page · Next

In this case three functional updates were selected based on the sourceid CA.TargetSystem-RequiredService. Click 'Next' to continue. The remaining steps for 'Install Functional' are similar to the 'Install Corrective' and 'Install Recommended' so there is no need to go through the steps.





Use the Completed Updates window to view details about all completed or canceled software update processes.



Software Update 🛛			Settings 🔯 Help 💡
Start New Software Update	View Updates in Progress		Show completed updates €
Software Instances and Zone Choose a software instance and sele	-		
Name	↑ System	Description	Status
✓ ACF160_ACF0813	DDDD_001	Ę	Ready
Items per page: 50 ∨ 1-1 of 1	item		1 ∨ of 1 page
Refresh		Install Corrective Install Reco	mmended Install Functional
Last refresh: Aug 14, 2022 10:51:11 A	M		

Click on the Show completed updates link to open the Completed Updates window.



			Sc	ftware Update		- 🗆 >
Software Update / Completed	l Updates					Help 🚱
Completed Update	es					
Q 08	× Search					
Software Instance	Zone	System	Туре	Notes	Date Completed (local)	↓ Status
ACF160_ACF0813	CAITO	DDDD_001	F		Aug 13, 2022 7:21:53 PM	🛛 Completed 📫 上
ACF160_ACF0813	CAITO	DDDD_001	R		Aug 13, 2022 7:15:26 PM	Comple All SMP/E Output
ACF160_ACF0813	CAITO	DDDD_001	C		Aug 13, 2022 6:52:14 PM	All HOLDs
Items per page: 50 $  imes $	1-3 of 3 items					Post-install HOLDs 1 V or 1 page
Refresh Last refresh: Aug 14, 2022 1	1:21:27 AM					Close
ACF160_ACF0813zip ^						Show all

In the list of completed or canceled update processes, locate the update process for which you want to view details, click on the down arrow and then click on the output that you would like to download.





For additional training and details on contacting a Product z/OSMF Advisor please use the link or QR code to access the z/OSMF Migration website.







