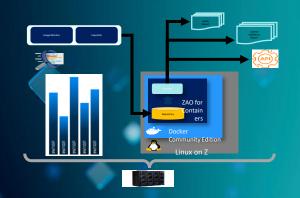
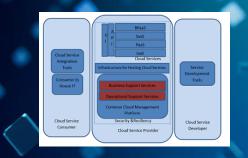
HCLSoftware

Z Asset Optimizer V2.2 What You Need to Know









Review of Z Asset Optimizer(ZAO) prior to V2.2



Introducing Z Asset Optimizer (Both Platforms zOS and zLinux(containers)

HCL Z Asset Optimize (ZAO) is a market leading software asset discovery product for IBM® z/OS® mainframe technology

ZAO recognizes over **15,000+ mainframe software products and features** from IBM and other software vendors and provides comprehensive software inventory reports

Tracks and reports usage of In-house z/OS applications — Batch workload, CICS, IMS transactions written in COBOL, PL/I, C/C++, REXX, Java

Software assets and their usage are **discovered automatically** by a batch inquisitor and a real-time usage monitor

Audit and compliance – Effectively used for discuss licensing and audit compliance with software vendors

Optimize Mainframe software cost by eliminating less frequently used software and ensuring supported software is being used

Flexible Pricing options

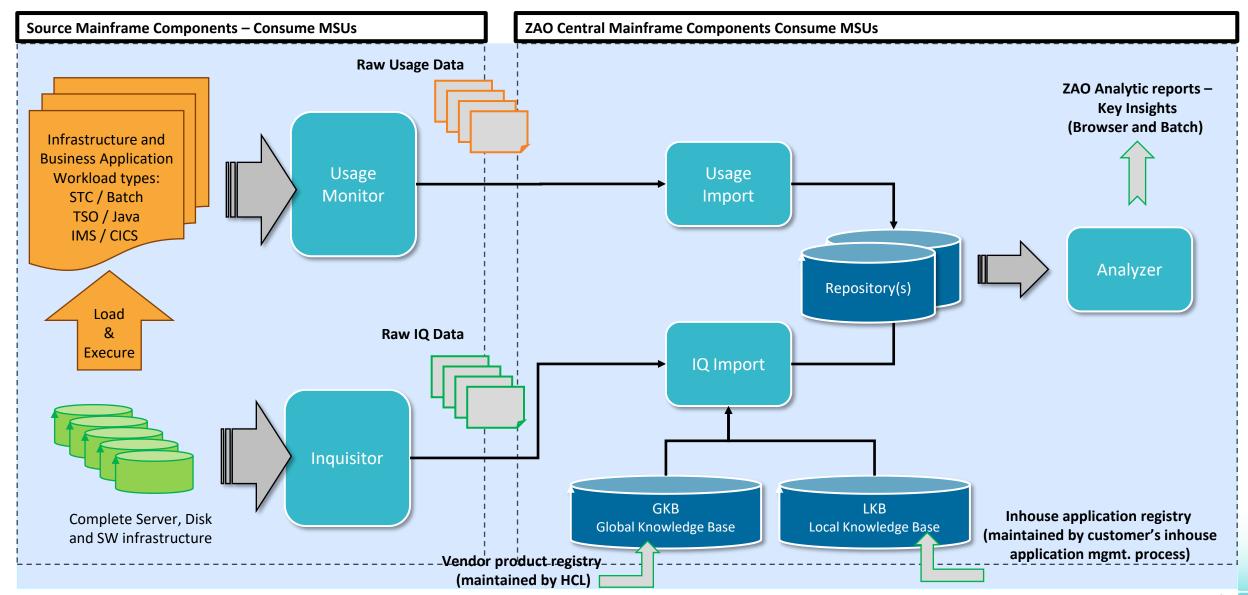




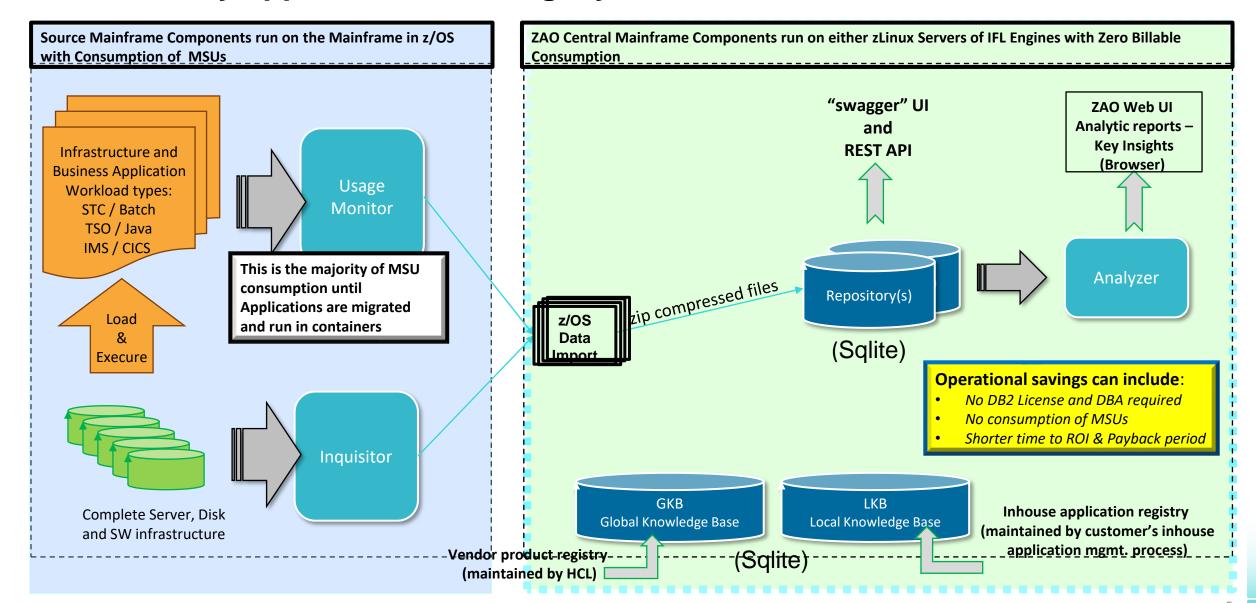


Reporting

ZAO Core Architecture (z/OS) All Components Run on the Mainframe in z/OS



ZAO Core Architecture (Containers) – assuming no refactoring or rewriting of in house/3rd Party application from Legacy to zLinux



CR

Driving toward a <u>lower Mainframe Total</u> <u>Cost of Ownership</u> via Costing Method employed



- ✓ Tailored Fit Pricing reporting
- ✓ Common sense approach to accounting for the amount of work done
- ✓ Updated SQLite option vs DB2

Greater <u>operational efficiency</u> optimization



- ✓ Two Z Platforms
- ✓ A more agile approach to
 Optimizing Costs of Business
 Applications & Assets
- √ 19 new or enhanced functions

Advanced functions and support for enhanced visibility for greater actionable key insights



- ✓ Rest APIs to access asset management data
- ✓ 11 new or enhanced functions related to visibility through reporting

What's new in ZAO 2.2



ZAO V2.2 – SUMMARY

HCL ZAO 2.2 - For z/OS platform only, not containers

- SCRT Tailored Fit Pricing
- •IBM VUE support VUE007
- •GKB Search Function
- Extended PID support
- Library Classification
- •Full IMS support in UMON
- Remove Dataspace requirement in UMON
- Product Suite Support

Driving toward a lower Mainframe *Total Cost of Ownership* via Costing Method employed

Advanced functions and support for *enhanced visibility* for greater actionable key insights

Enhanced UMON capabilities for greater *operational efficiency* optimization

What's new in ZAO 2.2

SQLite

Operational efficiency

Updated SQLite to latest level for improved performance

SCRT Tailored Fit Pricing

Lower Mainframe TCO

Enhanced visibility for greater actionable key insights

Support has been added for SCRT Tailored Fit Pricing with new reports

Product Suite Support | Enhanced visibility for greater actionable key insights

ZAO now supports Product Suites/Bundles. These are viewable in the Product Inventory report and also the new Product Suite report. **Enhanced visibility for greater actionable key insights**

Library Life Cycle

Added new Function Library Life Cycle to allow users to view data across different libraries. Classifications are created in the Analyzer and then these are assigned to Products and Libraries. The Product Libraries report will now show these classes.

What's new in ZAO 2.2 cont

Analyzer inactivity timeout

Operational efficiency

Added the ability to logoff users after a set period of time from the Analyzer

Inconsistent Product Names

Enhanced visibility for greater actionable key insights

In the Asset reports users now have the ability to select how IBM product names are displayed. The current Asset name or they can use the Discovered product name (not quite ready)

Header for Analyzer Batch Custom reports | **Enhanced visibility for greater actionable key insights**

Users can choose to have headers in their reports in batch mode

Product Use | Enhanced visibility for greater actionable key insights

New function to show product usage in a more realistic light for contracts people. Instead of showing the number of times load modules belonging to a product were used, users can now see how many times a product was used.

APFAUTH by LPAR

Operational efficiency

Previously libraries that were found to be APF authorised came from the Inquisitor code. This meant that all LPARs would show that a library was APF authorised. That was not always the case. Now the Usage monitor collects the APF data for each LPAR and this is now shown in the Analyzer library reports.

What's new in ZAO 2.2 cont

Analyzer inactivity timeout

Operational efficiency

Added the ability to logoff users after a set period of time from the Analyzer

Inconsistent Product Names

Enhanced visibility for greater actionable key insights

In the Asset reports users now have the ability to select how IBM product names are displayed. The current Asset name or they can use the Discovered product name (not quite ready)

Header for Analyzer Batch Custom reports | **Enhanced visibility for greater actionable key insights**

Users can choose to have headers in their reports in batch mode

Product Use

Enhanced visibility for greater actionable key insights

New function to show product usage in a more realistic light for contracts people. Instead of showing the number of times load modules belonging to a product were used, users can now see how many times a product was used. **Operational efficiency**

APFAUTH by LPAR

 Previously libraries that were found to be APF authorised came from the Inquisitor code. This meant that all LPARs would show that a library was APF authorised. That was not always the case. Now the Usage monitor collects the APF data for each LPAR and this is now shown in the Analyzer library reports.

What's new in ZAO 2.2 cont

Value Unit Edition (VUE) product support

Operational efficiency

• ZAO now has the ability to show products with their VUE PIDs in the Asset Reports. This a user defined function with a new Admin report Define VUE Product. The user creates this list once and this data is processed each time an IQimport or Usage Import is run.

Physical Delete

Operational efficiency

• ZAO now has the ability to physically delete all obsolete data from the Repository. In previous releases only usage data were physically deleted. Libraries that are no longer being scanned and have aged are now eligible to be deleted together with data associated with the libraries, for example module data. This will allow users who have been running ZAO to recover Db2 space and improve import performance.

IMS Usage collection

Enhanced visibility for greater actionable key insights

Usage of IMS controlled modules is now accurately collected

Volume Mapping

Operational efficiency

• Volume mapping allows you to group together many volsers under a single id. For sites that have multiple SYSRES volumes that change on a regular basis, instead of having multiple entries for each VOLSER there would be a single entry. All usage would now be associated with this single entry. Inquisitor and Usage Monitor would need to have new DD name pointing to a sequential file containing the mappings.

1.

What's new in Inquisitor 2.2

Parameter updates for HZAPINQ (Inquisitor for z/OS) Operational efficiency

FULLIDR parameter added to support collection of compiler information when used with SCANPGM.

Operational efficiency

PACK=n – control output zip algorithm

NOVSR – suppress the volume statistics report

NOEAR – suppress the execution activity report

NOREP – specify both NOVSR and NOEAR with one keyword

Parameter updates for HZAXINQ (Inquisitor for USS) Operational efficiency

PLX=Y – parameter reintroduced for USS Inquisitor.

PACK=n – control output zip algorithm

OUT=Z/T/B – now removed, output will be controlled by HSIXZIP/HSIXOUT DD name in JCL

If IQ output is to HZAPZIP/HZAXZIP only and abend S213-C8 is encountered, then unzipped output will be written to that DD. If HZAPOUT/HZAXOUT is also present then the program will terminate.

What's new in Usage Monitor 2.2 Operational efficiency

Improvements in Usage Monitor data collection facilitates the following changes:

- System SVC front ends are no longer installed
- A user ESR will be used for CICS and UNIX data collection
- Usage of IMS-managed programs is now accurately reported
- A count for the number of jobs which use each program each day is kept
- The LLC (linklist correction) setting is now retired
- CPU time can now be monitored down to the RB level
- CPU time consumed by long running address spaces can now be reported progressively each collection cycle
- Data set name masking now allows asterisks anywhere
- New default exclusion masks of *DBDLIB and *PSBLIB

The HZABRZIP and HZAZPEEK programs are now documented in the utilities chapter of the Administration Guide.

Migration Support

Automated migration path from ZAO 1.1 database to ZAO 2.2 | Operational efficiency

- Repository schema changes for ZAO 2.2 new tables, columns added, etc.
- JCL jobs supplied to migrate Repository from 1.1 to 2.2
- For both DB2 and SQLite databases
- New GKB database created from latest GKB update
- Usage data migrated from ZAO 1.1 to ZAO 2.2 database
- Amount of usage data will impact how long migration takes
- Consider deleting old usage data prior to migration to reduce migration time

What's new in ZAO Analyzer 2.2

Enhanced visibility for greater actionable key insights

Asset Reports

- Added SCRT Tailored Fit Pricing reports
- Added Product Suite report
- Added Search by PID report for IBM and ISV products
- Removed the show Features checkbox from all Asset reports so now all Features are displayed by default
- Asset reports now allow you to choose to see Discovered name or Asset name in the report output Discovery Reports
 - Removed Show options checkbox from all Discovery reports so now all options are displayed be default

New Tab Administration Reports

- Moved reports from Administration Tab to this Tab as they are reports that don't require special
 access.
 - Libraries with Unknown Modules
 - LKB Summary
 - IQ Import Logs
 - Usage Import Logs
 - SQL Select Query

New Administration Reports

- Exclude Product Suites
- Define VUE Products
- Define Library Classifications
- Assign Library Classifications

SCRT Tailored Fit Pricing



SCRT Tailored Fit Pricing – What is it?

Definition: Is a flexible pricing model that dramatically simplifies the existing pricing landscape through cloud-like, software and hardware consumption-based pricing options for on-premises computing.

Goals:

- 1. Alternative to MSU capping while fully exploit the CPU capacity installed
- 2. Increased CPU capacity for Development and Test (DevTest) environments, enabling clients to dramatically increase DevTest activities, without cost consideration
- 3. Optimized and potential lower pricing for all types of workload growth, without requiring additional IBM approvals, or additional tagging and tracking

Primary driver: Help mitigate unpredictable costs

Benefit: Far more competitive when compared to pay-as-you-go schemes

The high-level benefits associated with the Enterprise Consumption and Enterprise Capacity solutions can be summarized as:

- Licensing models that eradicate cost control capping activities, enabling clients to fully exploit the CPU capacity installed
- Increased CPU capacity for Development and Test (DevTest) environments, enabling clients to dramatically increase DevTest activities, without cost consideration
- Optimized and potential lower pricing for all types of workload growth, without requiring additional IBM approvals, or additional tagging and tracking

SCRT Tailored Fit Pricing

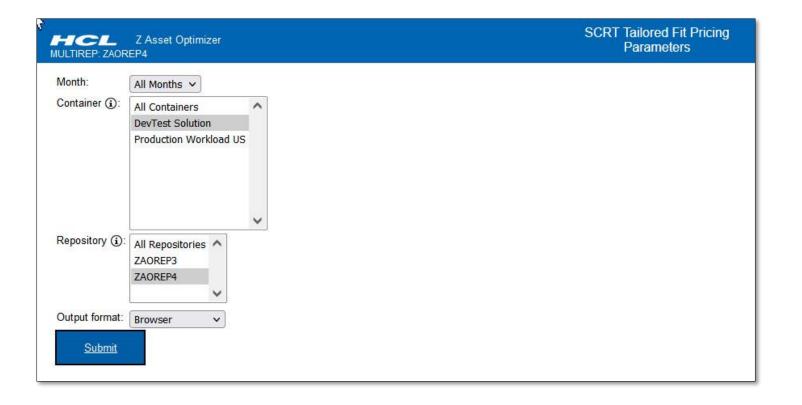
SCRT Tailored Fit Pricing is now supported by new reports

- On the ASSETS tab select SCRT Tailored Fit Pricing report
- Supports hybrid pricing (mix of TFP and 4HA)
- If TFP-only, just time-based reporting (minutes)
- If hybrid, MSU consumption will still be reported for 4HA pricing
- As previously, can drill down by containers, LPARs, products
- With TFP, consumption is only reported down to LPAR level, not by Product
- Product type is also reported (MLC or IPLA)

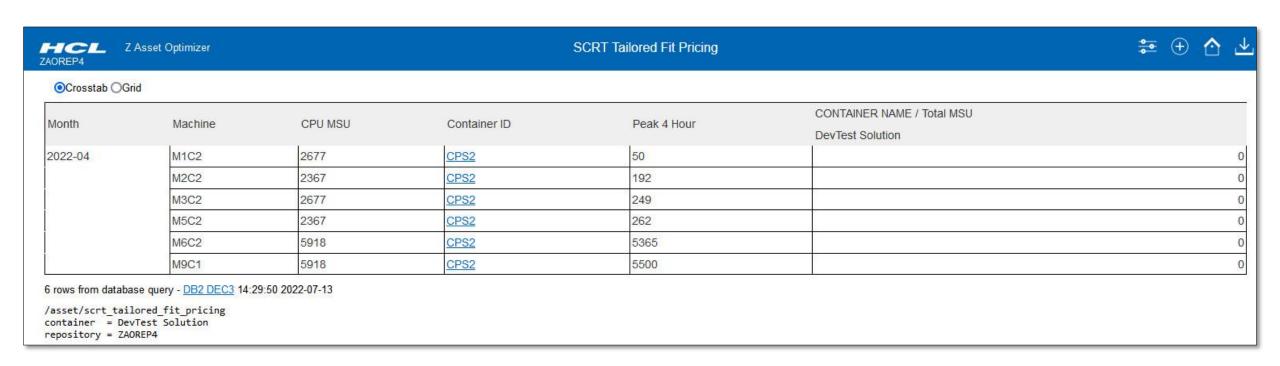
SCRT Tailored Fit Pricing Menu

HCL	Z Asset Optimizer			Analyzer Menu
ASSETS	DISCOVERY	ADMINISTRATION REPORTS	ADMINISTRATION	сиѕтом
ınalyze high le	evel aggregated data	e.g. Product Versions		
Machine Inventor	<u>iry</u>	System z N	Machine inventory summary	
Machine Resour		Machine Ro	esources	
Product Inventor	TY.	Product ver	sion inventory summary	
Product Audit Tr			sion audit trail	
Product Suites	300	Product Su	ites	
Product by Syst	tem	Cross refer	ence of product versions per	System
Product by Sysp	<u>plex</u>	Cross refer	ence of product versions per	Sysplex
Product by Syst	tem Group	Cross refer	ence of product versions per	System Group
SCRT Tailored F	it Pricing	SCRT Tailo	red Fit Pricing	
Product by Repo	ository	Cross refer	ence of product versions per	Repository
Vendor Use by N	<u> Month</u>	Cross refer	ence of vendor products used	per Month by System
Product Use by	Month	Cross refer	ence of product versions use	d per Month by System
Product Use Tre	end Control	Product ver	sion usage trend chart	
Product Use by	Machine	Cross refer	ence of product versions use	d per Machine
Product Use by	Machine MSU	Cross refer	ence of product versions by N	Machine MSU capacity
Product Use by	Machine and IBM Valu	e Units Cross refer	ence of product versions by N	Machine and Value Units
Registered Produ	lucts	Products R	egistered in Parmlib	
Registered Produ	luct Usage	Usage of R	egistered Products	
Search by PID		Search by	PID and ISV ids	
Search User Ids		Search pro	duct version usage details for	r user ids
Search Job Nam	nes	Search pro-	duct version usage details for	r job names
Search Job Acco	ount Codes	Search pro	duct version usage details for	r job account codes
Storage Subsyst	tem Hardware	Storage Su	bsystem Hardware	

SCRT Tailored Fit Pricing parameters



SCRT Tailored Fit Pricing Container



SCRT Tailored Fit Pricing LPARs



SCRT Tailored Fit Pricing Products

HCL ZAOREP4	Z Asset Optimizer		SCRT Tailored Fit Pricing Products		≅ ⊕ 🛧 🕹
Month	Container ID	Container Name	Product	PID	Product Type
2022-04	CPS2	DevTest Solution	z/OS V2	<u>5650-ZOS</u>	MLC
2022-04	CPS2	DevTest Solution	zSecure Alert V2	5655-N21	IPLA
2022-04	CPS2	DevTest Solution	Application Perf Analyzer for z/OS V14	5655-Q49	IPLA
2022-04	CPS2	DevTest Solution	CICS TS for z/OS V5	5655-Y04	MLC
2022-04	CPS2	DevTest Solution	DB2 12 for z/OS Value Unit Edition	5770-AF3	IPLA
2022-04	CPS2	DevTest Solution	Fault Analyzer for z/OS V14	5655-Q41	IPLA
2022-04	CPS2	DevTest Solution	File Manager for z/OS V14	5655-Q42	IPLA
2022-04	CPS2	DevTest Solution	IBM z/OS Connect EE V3	5655-CE3	IPLA
2022-04	CPS2	DevTest Solution	IBM Connect:Direct for z/OS V6	5655-X12	IPLA
2022-04	CPS2	DevTest Solution	IBM Debug for z Systems V14	5655-Q50	IPLA
2022-04	CPS2	DevTest Solution	IBM HourGlass V7	<u>5655-U59</u>	IPLA
2022-04	CPS2	DevTest Solution	IBM MQ Advanced for z/OS VUE V9	5655-AV1	IPLA
2022-04	CPS2	DevTest Solution	IBM Sterling Connect: Enterprise for z/OS V5	<u>5655-X05</u>	IPLA
2022-04	CPS2	DevTest Solution	IBM Tivoli System Automation for OS/390 V3	<u>5698-SA3</u>	IPLA
2022-04	CPS2	DevTest Solution	IBM Z Common Data Provider V2	<u>5698-ABN</u>	IPLA
2022-04	CPS2	DevTest Solution	IMS V15	5635-A06	MLC
2022-04	CPS2	DevTest Solution	Tivoli NetView for z/OS V6	<u>5697-NV6</u>	MLC
2022-04	CPS2	DevTest Solution	Tivoli OMEGAMON XE for Messaging V7	5698-B23	IPLA
2022-04	CPS2	DevTest Solution	Workload Simulator for z/OS and OS/390 V1	<u>5655-l39</u>	IPLA

Product Suite Support



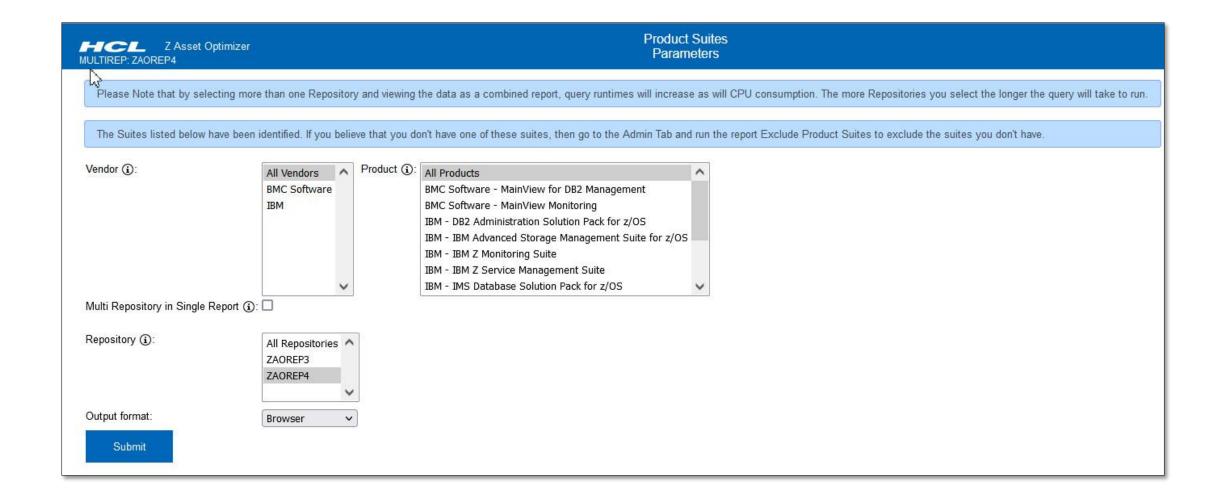
Product Suite support Asset

HCL	Z Asset Optimizer		Analyzer M
ASSETS	DISCOVERY	ADMINISTRATION REPORTS	ADMINISTRATION CUSTOM
alyze high le	evel aggregated data	e.g. Product Versions	
Machine Invento	ory	System z N	Machine inventory summary
Machine Resou	irces	Machine Ro	
Product Invento	ory .	Product ver	sion inventory summary
Product Audit T		Product ver	sion audit trail
Product Suites	1	Product Su	ites
Product by Sys	stem	Cross refer	ence of product versions per System
Product by Sys	splex	Cross refer	ence of product versions per Sysplex
Product by Sys	stem Group	Cross refer	ence of product versions per System Group
SCRT Tailored F	Fit Pricing	SCRT Tailo	red Fit Pricing
Product by Rep	pository	Cross refer	ence of product versions per Repository
Vendor Use by	Month	Cross refer	ence of vendor products used per Month by System
Product Use by	/ Month	Cross refer	ence of product versions used per Month by System
Product Use Tre	end	Product ver	sion usage trend chart
Product Use by	/ Machine	Cross refer	ence of product versions used per Machine
oroduct Use by	/ Machine MSU	Cross refer	ence of product versions by Machine MSU capacity
oroduct Use by	Machine and IBM Valu	ue Units Cross refer	ence of product versions by Machine and Value Units
Registered Proc	ducts	Products R	egistered in Parmlib
Registered Proc	duct Usage	Usage of R	egistered Products
Search by PID		Search by	PID and ISV ids
Search User Ids	<u>s</u>	Search pro-	duct version usage details for user ids
Search Job Nar	mes	Search pro-	duct version usage details for job names
Search Job Acc	count Codes	Search pro-	duct version usage details for job account codes
Storage Subsys	stem Hardware	Storage Su	bsystem Hardware

Product Suite support Admin

Z Asset Optimi	zer		Analyzer Menu			
ASSETS DISCOVERY	ADMINISTRATION REPORTS	ADMINISTRATION	сиѕтом			
Administration tasks and trouble	shooting	3				
Exclude Product Suites	Exclude Product Suites					
Define Annotations	Define Annotations for Inventory Produc	ct reports				
Define Alternate Product Names	Define alternate product names to disp	lay in reports instead of the	vendor defined product names			
Define ISV EOS Dates	Define End of Service dates for ISV Pro	oducts reports				
Define Repository Name	Define the Repository name, which is shown in the report header and Repository selection parameter					
Define System Groups	Define System Groups, which are used in the Product by System Group report					
Define VUE Products	Define VUE Products which are to be used in the Asset Reports					
Define Library Classifications	Define Classifications by library					
Assign Library Classifications	Assign Classifications by library					
Delete Obsolete Hardware	Delete Obsolete Hardware					
Mark LPARs as Deleted	Mark as Deleted LPARs that are no longer required					
LKB Management	Add/Remove/Update entries in the LKB					
LKB Tagger	Tag load modules against LKB entries					
Database Statistics	Database statistics, including space used.					
Support 📮	Z Asset Optimizer Support Portal					
Download GKB 🗗	Download the latest Global Knowledge Base from HCL SFTP Server					

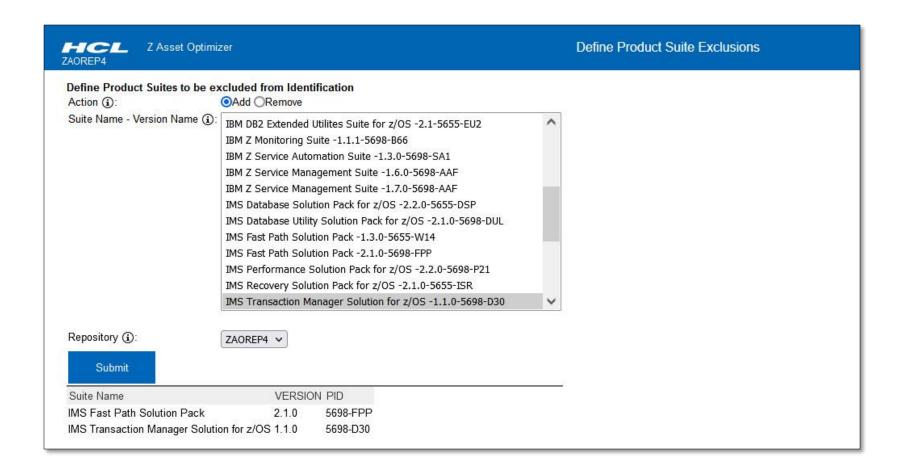
Product Suite Parameters



Product Suites - Products

HCL ULTIREP: ZAOF	Z Asset Optimizer REP4	Product S	uites		•••	⊕ <u>^</u>
Vendor	Suite Name	Version	PID	Product	Product Feature	Product Version
IBM	IBM Z Service Management Suite	1.6.0	5698-AAF	IBM Tiv OMEGAMON DE z/OS V5	IBM Tiv OMEGAMON DE z/OS	V5 V5
IBM	IBM Z Service Management Suite	1.6.0	5698-AAF	IBM Tiv OMEGAMON XE z/OS V5	BASE	V5
BM	IBM Z Service Management Suite	1.6.0	5698-AAF	OMEGAMON for CICS V5	BASE	V5
ВМ	IBM Z Service Management Suite	1.6.0	5698-AAF	OMEGAMON for IMS V5	BASE	V5
ВМ	IBM Z Service Management Suite	1.6.0	5698-AAF	OMEGAMON for JVM	OMEGAMON for JVM	V5
ВМ	IBM Z Service Management Suite	1.6.0	5698-AAF	OMEGAMON for Messaging V7	BASE	V7
ВМ	IBM Z Service Management Suite	1.6.0	5698-AAF	OMEGAMON Storage zOS V5	BASE	V5
ЗМ	IBM Z Service Management Suite	1.6.0	5698-AAF	Tivoli Asset Discov for z/OS	Tiv Asset Discov for z/OS	V8
3M	IBM Z Service Management Suite	1.6.0	5698-AAF	Tivoli OMEGAMON XE for Messagir	ng OMEGAMON XE for Messaging	V7
ЗМ	IBM Z Service Management Suite	1.6.0	5698-AAF	Tivoli OMEGAMON XE z/OS	IBM Tiv OMEGAMON XE z/OS	/5 V5
BM	IBM Z Service Management Suite	1.6.0	5698-AAF	Tivoli OMEGAMON XE CICS	IBM Tiv OMEGAMON XE CICS	V5 V5
BM	IBM Z Service Management Suite	1.6.0	5698-AAF	Tivoli OMEGAMON XE MFN	IBM Tiv OMEGAMON XE MFN	/5 V5
3M	IBM Z Service Management Suite	1.6.0	5698-AAF	Tivoli OMEGAMON XE Stor	IBM Tiv OMEGAMON XE Stor V	5 V5
3M	IBM Z Service Management Suite	1.7.0	5698-AAF	IBM Tiv OMEGAMON DE z/OS V5	IBM Tiv OMEGAMON DE z/OS	V5 V5
ВМ	IBM Z Service Management Suite	1.7.0	5698-AAF	IBM Tiv OMEGAMON XE z/OS V5	BASE	V5
ЗМ	IBM Z Service Management Suite	1.7.0	5698-AAF	OMEGAMON for CICS V5	BASE	V5
ЗМ	IBM Z Service Management Suite	1.7.0	5698-AAF	OMEGAMON for IMS V5	BASE	V5
ЗМ	IBM Z Service Management Suite	1.7.0	5698-AAF	OMEGAMON for Messaging V7	BASE	V7
DA4	IDM 7 Carries Management Cuite	470	ECOD AAE	OMECANON Storage TOS VE	DACE	1/5

Exclude Suites



Product Inventory Suites

HCL MULTIREP: ZA	_ Z Asset Optimizer AOREP4	Product Inventory							≅ ⊕ <u>↑</u> <u>↓</u>	
Vendor	Product	Version	PID	S&S PID	Feature	EID	Discovered Annotation Installed	Systems Last Installed Used	System Used	s Machines Used
IBM	DB2 Administration Solution Pack for z/OS	V3	5697-ASP				2021-01-01	<u>5</u>	0	0
IBM	IBM Advanced Storage Management Suite for z/OS	V2	5698-AAJ				2021-01-01	<u>5</u>	0	0
IBM	IBM Z Monitoring Suite	V1	5698-B66				2021-01-01	<u>5</u>	0	0
IBM	IBM Z Service Management Suite	V1	5698-AAF				2021-01-01	<u>5</u>	0	0
IBM	IMS Database Solution Pack for z/OS	V2	5655-DSP				2021-01-01	<u>5</u>	0	0
IBM	IMS Database Utility Solution Pack for z/OS	V2	5698-DUL				2021-01-01	<u>5</u>	0	0
IBM	IMS Performance Solution Pack for z/OS	V2	5698-P21				2021-01-01	<u>5</u>	0	0

_ >

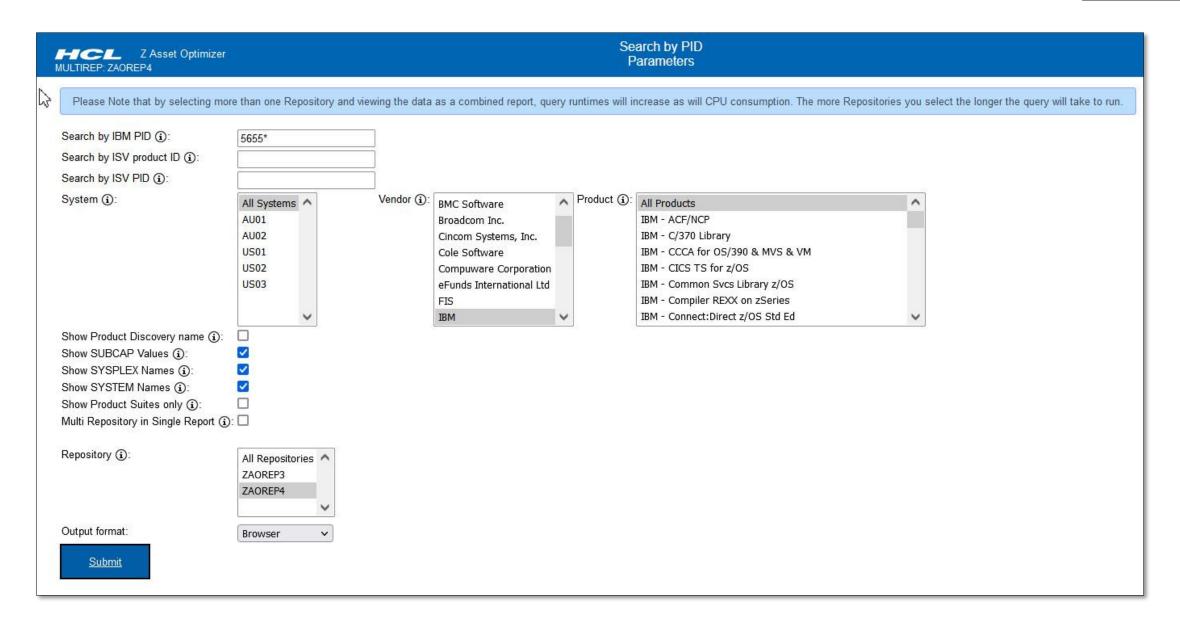
Search PID



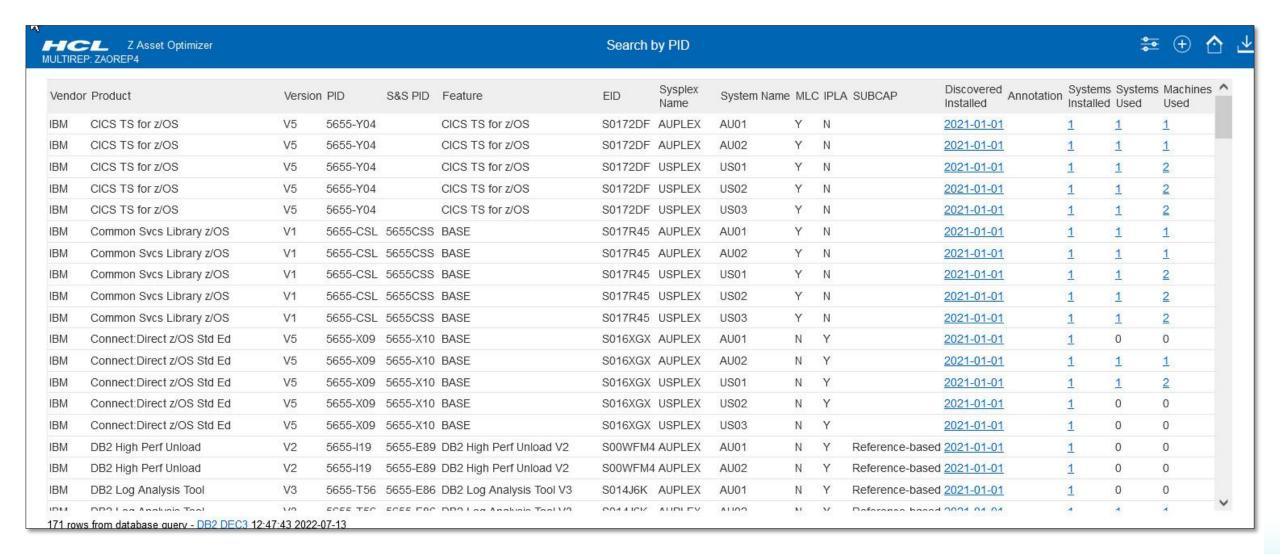
Search PID Report

HCL	Z Asset Optimizer			Analyzer Menu			
ASSETS	DISCOVERY	ADMINISTRATION REPORTS	ADMINISTRATION	сизтом			
Analyze high l	evel aggregated data	e.g. Product Versions					
Machine Invent	ory	System z N	Machine inventory summary				
Machine Resou	ırces	Machine Re	esources				
Product Invento	<u>ory</u>	Product ver	sion inventory summary				
Product Audit 1		Product ver	sion audit trail				
Product Suites		Product Su	ites				
Product by Sys	stem .	Cross refere	ence of product versions per	System			
Product by Sys	splex	Cross refere	Cross reference of product versions per Sysplex				
Product by Sys	stem Group	Cross refere	Cross reference of product versions per System Group				
SCRT Tailored	Fit Pricing	SCRT Tailo	red Fit Pricing				
Product by Rep	pository	Cross refere	ence of product versions per	Repository			
Vendor Use by	Month	Cross refere	Cross reference of vendor products used per Month by System				
Product Use by	/ Month	Cross refere	Cross reference of product versions used per Month by System				
Product Use Tr	end	Product ver	Product version usage trend chart				
Product Use by	/ Machine	Cross refere	Cross reference of product versions used per Machine				
Product Use by	Machine MSU	Cross refere	ence of product versions by I	Machine MSU capacity			
Product Use by	Machine and IBM Valu	ue Units Cross refere	ence of product versions by I	Machine and Value Units			
Registered Pro	ducts	Products R	egistered in Parmlib				
Registered Pro	duct Usage	Usage of R	egistered Products				
Search by PID	7 3-5	Search by I	PID and ISV ids				
Search User Id	<u>s</u>	Search prod	duct version usage details fo	r user ids			
Search Job Na	mes	Search prod	Search product version usage details for job names				
Search Job Acc	count Codes	Search prod	Search product version usage details for job account codes				
Storage Subsy	stem Hardware	Storage Su	Storage Subsystem Hardware				

Search PID Report



Search PID Report



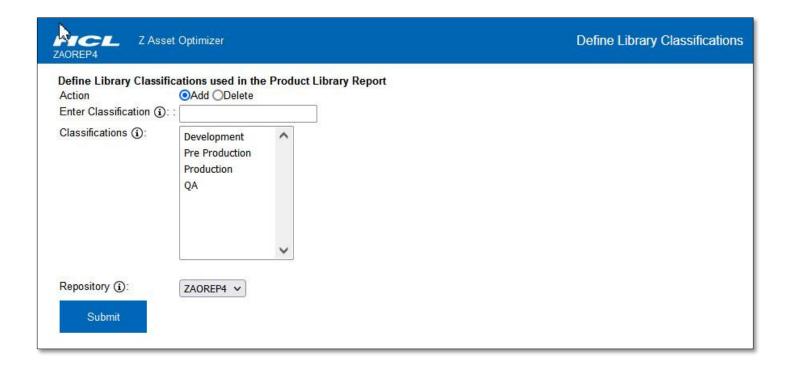
Library Life Cycle



Life Cycle Reports

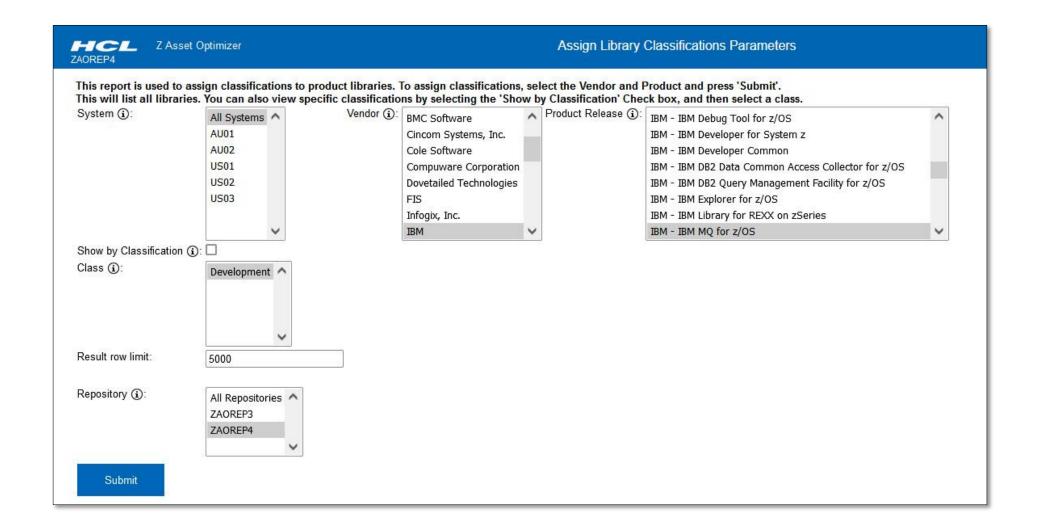
HCL	, Z Asset Optimize	r)		Analyzer Menu					
ASSETS	DISCOVERY	ADMINISTRATION REPORTS	ADMINISTRATION	CUSTOM					
Administration	tasks and trouble sh	ooting		_					
Exclude Produc	t Suites	Exclude Product Suites							
Define Annotation	ons ons	Define Annotations for Inventory Product reports							
Define Alternate Product Names		Define alternate product names to display in reports instead of the vendor defined product names							
Define ISV EOS	<u>Dates</u>	Define End of Service dates for ISV Produc	ts reports						
Define Reposito	ry Name	Define the Repository name, which is shown in the report header and Repository selection parameter							
Define System	<u>Groups</u>	Define System Groups, which are used in t	the Product by Syster	m Group report					
Define VUE Pro	ducts	Define VUE Products which are to be used	in the Asset Reports						
Define Library C	lassifications	Define Classifications by library							
Assign Library (Classifications	Assign Classifications by library	Both	require special					
Delete Obsolete	Hardware	Delete Obsolete Hardware	ity to execute						
Mark LPARs as	Deleted	Mark as Deleted LPARs that are no longer	required autili	officy to execute					
LKB Manageme	<u>ent</u>	Add/Remove/Update entries in the LKB							
LKB Tagger		Tag load modules against LKB entries							
Database Statis	stics	Database statistics, including space used.							
Support -		Z Asset Optimizer Support Portal							
Download GKB		Download the latest Global Knowledge Bas	e from HCL SFTP Se	rver					

Define Library Classifications

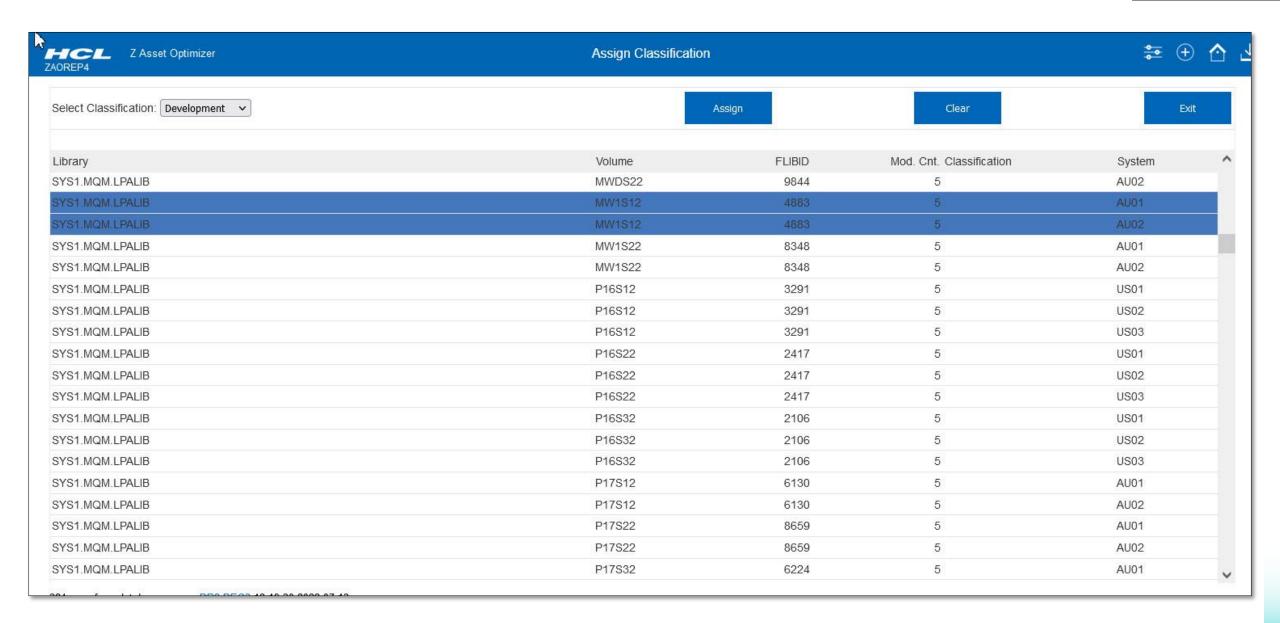


3

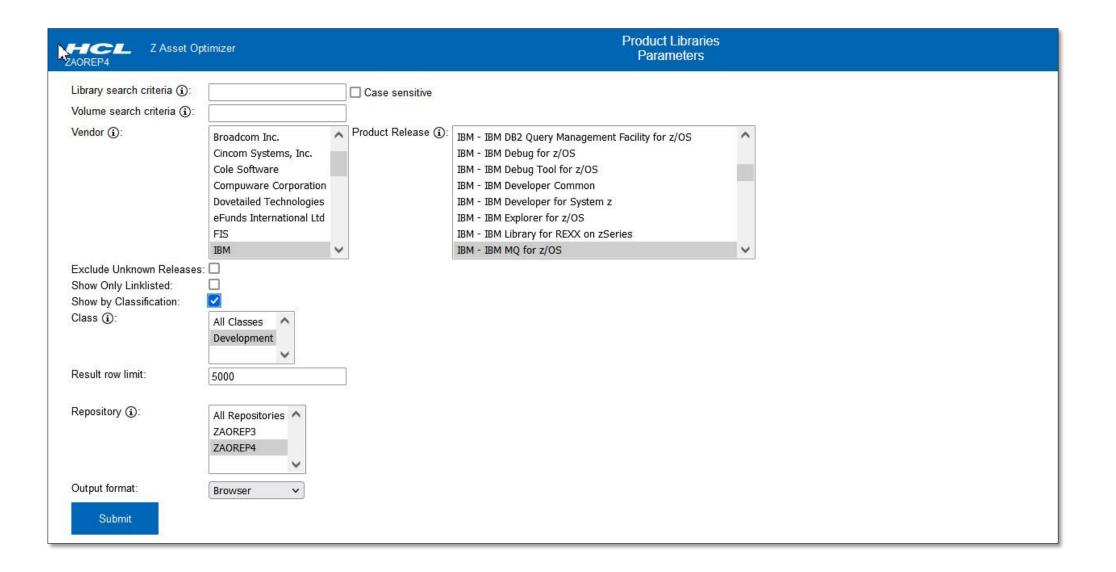
Assign Library Classifications



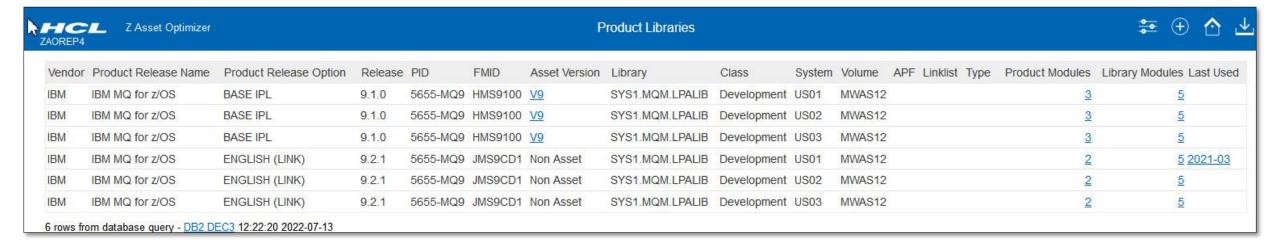
Assign Library Classifications



Product Libraries Classifications



Product Libraries Classifications



Product Use



Product Event/Use

Vendor	Product	Feature	Release	PID	FMID	System	Asset Version	Month / Events			
								2019-06	2020-04	2020-07	2020-08
IBM	DB2	BASE	10.1.0 (1108)	5605-DB2	HDBAA10	OMU3	V10		<u>18</u>		
			11.1.0 (1709)	5615-DB2	HDBBB10	OMU2	V11				<u>472</u>
						OMU3	V11	<u>552</u>	<u>3744</u>	<u>7973</u>	<u>2345</u>
			12.1.0	5650-DB2	HIZCC10	OMU2	V12				<u>734</u>
						OMU3	V12		<u>8445</u>	12250	<u>2841</u>
		IMS Attach	10.1.0		HIYAA10	OMU3	Non Asset		<u>36</u>		
		IRLM	2.3.0 (1712)		HIR2230	OMU2	Non Asset				<u>6</u>
						OMU3	Non Asset	<u>9</u>	<u>45</u>	<u>117</u>	<u>30</u>
		ODBC (BASE)	11.1.0 (1709)		JDBBB17	OMU2	Non Asset				1
						OMU3	Non Asset	<u>5</u>			

18 rows from database query - DB2 DEC3 11:25:25 2020-09-24

/disc/product_use_month
metric = EVENT

Vendor	Product	Feature	Release	PID	FMID	System	Asset Version	Month / Product Use				
								2019-06	2020-04	2020-07	2020-08	
IBM	DB2	BASE	10.1.0 (1108)	5605-DB2	HDBAA10	OMU3	V10		2			
			11.1.0 (1709)	5615-DB2	HDBBB10	OMU2	V11				1	
						OMU3	V11	0	7	<u>17</u>	<u>5</u>	
			12.1.0	5650-DB2	HIZCC10	OMU2	V12				1	
						OMU3	V12		<u>15</u>	<u>21</u>	<u>7</u>	
		IMS Attach	10.1.0		HIYAA10	OMU3	Non Asset		2			
		IRLM	2.3.0 (1712)		HIR2230	OMU2	Non Asset				<u>2</u>	
						OMU3	Non Asset	0	<u>14</u>	<u>38</u>	<u>10</u>	
		ODBC (BASE)	11.1.0 (1709)		JDBBB17	OMU2	Non Asset				1	
						OMU3	Non Asset	0				

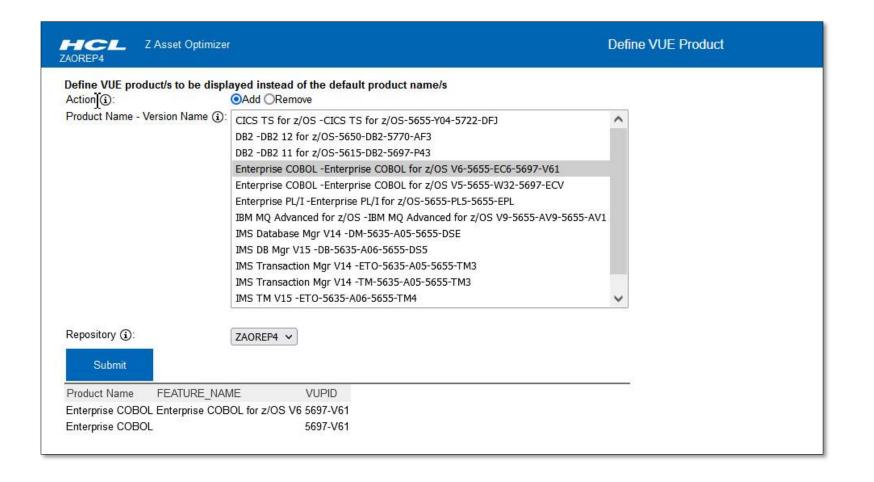
18 rows from database query - DB2 DEC3 11:26:19 2020-09-24

/disc/product_use_month
metric = PRDUSE

Value Unit Edition Support



Define VUE Products



Product Inventory VUE Products

Product with non VUE PID



Product with VUE PID

Version	PID							
	HID	S&S PID	Feature	EID	Discovered Annotation Installed	Systems Last Installed Used	System: Used	s Machines Used
V4	5655-S71		COBOL V4	S014DVZ	2020-04-01	2	0	0
V6	5697-V61	5697-ECS	Enterprise COBOL for z/OS V6	S017Z7K	2020-04-01	<u>5</u>	0	0
E	V6		V6 5697-V61 5697-ECS	V6 5697-V61 5697-ECS Enterprise COBOL for z/OS V6	V6 5697-V61 5697-ECS Enterprise COBOL for z/OS V6 S017Z7K	V6 5697-V61 5697-ECS Enterprise COBOL for z/OS V6 S017Z7K <u>2020-04-01</u>	V6 5697-V61 5697-ECS Enterprise COBOL for z/OS V6 S017Z7K <u>2020-04-01</u> <u>5</u>	V6 5697-V61 5697-ECS Enterprise COBOL for z/OS V6 S017Z7K <u>2020-04-01</u> <u>5</u> 0