

MUSE

MuseKnowledge[™] Source Factory Overview

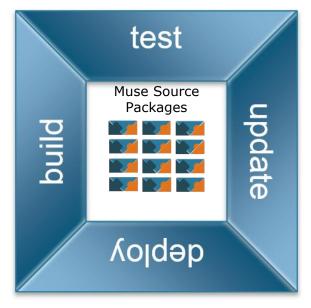
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MuseKnowledge[™] Source Factory

Over the last decade, Muse has amassed a library of more than 6,500 Source Packages.

This global library, called the MuseKnowledge[™] Source Factory, serves as a central repository of Source Packages that are licensed to Muse implementations, metadata that describes them and delivery mechanisms that bring them to customers.

MuseKnowledge[™] Source Factory Framework





MuseKnowledge[™] Source Factory: a connector ecosystem

Identification

- Tools for finding content sources
- System for gathering metadata and technical info about sources

Design

- Framework for recording source capabilities
- Syntax translator generation
- Applications for visually defining content tagging

Building

- Database of test parameters
- Automated build and versioning

Deployment

- All sources are packaged in the Source Factory with details
- Automated Source Update deploys updated packages

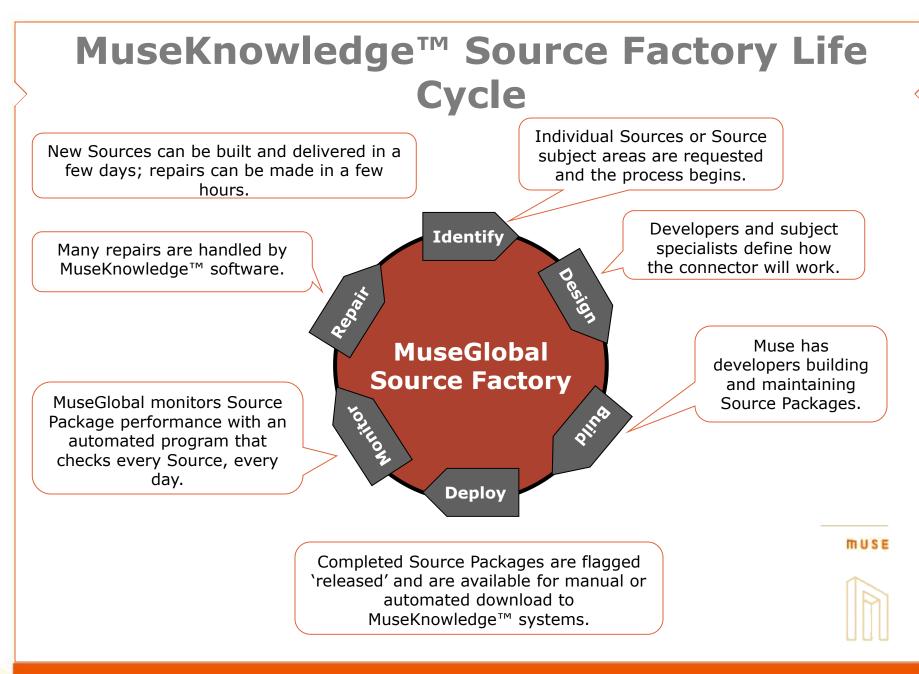
Monitoring

- Automated Source Checker operates constantly
- Results of user operations are used for early warning

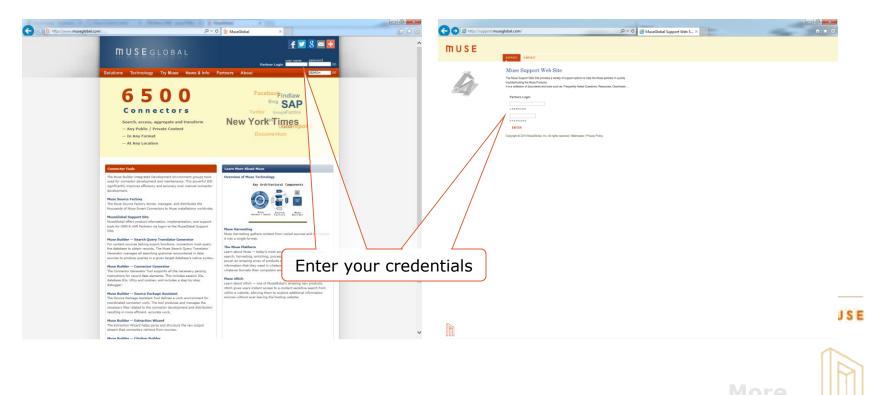
Repair

- Automatic and user notification
- Tracking, testing and building system





- Accessible on HTTP as part of the MuseKnowledge[™] Support website;
- 2 entry points can be used:
 - MuseGlobal Website www.museglobal.com
 - Support Website support.museglobal.com



- List all Source Packages currently Released by default with the following details: Source Name, Source ID, Status, Data Service, Host, Protocol, Package Version;
- Source Packages that were retired, replaced or they are new requested by customers can be tracked on this list;

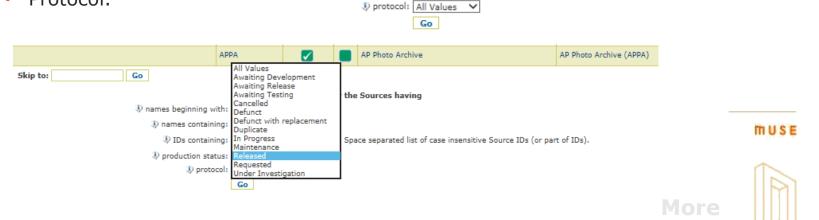
Inames beginning with:

In names containing:

IDs containing:

I production status: Released

- Export lists of Source Packages to CSV file;
- Filters can be used to locate a Source Package:
 - names beginning with;
 - names containing;
 - IDs containing;
 - Production status;
 - Protocol.



Space separated list of case insensitive Source IDs (or part of IDs).

Show only the Sources having

 \sim

Detailed view of Source Package characteristics;

rce Detail	Download
lay shows detail of the selected So	rce Package, which enables a specific Data Service to be obtained from a specific Host. Click the "Download" button to download the Source Package.
	NYTColVTimes
	NT Contributes to the Verb (1981-Present))
Access Restrictions:	
Package Version:	
Production Status:	
Test Status:	
	Wew York Times: New York Times On the Web (1981-Present)) @ New York Times Company (The) [HTTP/HTML]
Subscription Info:	
	New York Times On the Web (The)
Data Service Type:	
	New York Times Company (The)
	HTTP/HTML
	Source Package Contents
ISR File Name:	ISR.NVTCoN/Times.xsl
Version:	1.5
IDR File Name:	IDR.HTMLxsl
Version:	1.32
Package Transmission Record:	NYTCONYTimes.sp
Build Date:	2014-01-11 06:54:36 UTC
	Connection
	http://query.nytimes.com/search/query
Home URL:	http://www.nytimes.com/
Connector:	_
Module:	com.edulik.ice.modules.connectors.Nytimes
÷ .	Description The Web edition of The New York Times, 1981-Present
Text: From:	The way wallon or the new Tork Tilling, 2502-9169811
	http://www.nytimes.com/nef/membercenter/nytarchive.html
Location:	Inde/Enversionalizescentreameneerement/self-investignation
Text:	
Type:	
	Subject Spectrum
Text:	
Type:	
	Production States: Image: Construction States: Ima
	Test: States:

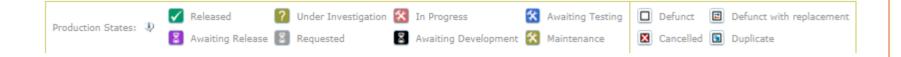
- Production States stages in the life cycle of a Source Package:
 - Released; The usable state for a Source Package: it is working (see its Test State) and is available for download and installation. Source Packages will remain in this state until they become broken and need fixing, or they become Defunct.
 - Under Investigation; Once a Source Package is reported by the Muse Source Checker or by an user as being "Not Working", it is moved to this state while the Source Factory team investigate the cause. It will stay in this state until work on fixing it actually starts.
 - In Progress; This is the generic rubric for initially building or fixing a Source Package. It is when the programmers and specialists are actively working on the Source Package. From this state the Source Package moves to Awaiting Testing.
 - Awaiting Testing; The Source Packages are tested after being built or fixed by the programmer who did the work and then by their team leader and finally through an automated and human Quality Assurance stage.
 - Awaiting Release; This state is briefly passed through by all completed Source Packages while they are awaiting the automated deployment processes which move them from the programming and testing shop to the Released state within the Source Factory where they are available for download.



- Requested; This is the first time a Source Package appears in the Source Factory.
- Awaiting Development; Each request for a new Source Package is validated, both to determine that it does not already exist in the Source Factory (in which case the requestor is notified of the existing Source Package name), and that the supplied details are accurate. At this stage a permanent ID is created for the new Source Package and MuseGlobal contacts the content provider to obtain technical details and invite them to join our Content Partner Program. The Source Package will wait in this state until work on creating it (In Progress) starts.
- Maintenance; A non 'Defunct' Source will have a Maintenance Production status if it is reported as not working, and the intention is to fix it, but there is no estimate of how long that will take.
- Defunct; At the end of its useful life a Source Package is declared Defunct. This may be because the actual Source to which it connects has disappeared or merged with another or changed its name or been sold or any of the other commercially inspired things that happen to content. The Source Package will continue to exist in the Source Factory in this state until there are no copies of Muse using it.
- Defunct with replacement; This state is the Defunct state and additionally there is a Source Package that provides a replacement, connecting to the same Source.



- Duplicate; The Source Package has been replaced by a better, more functional one connecting to the same Source. Or it may be found that the Source Package is a duplicate and has been rationalized out of use. In all cases the Source Package will continue to exist in the Source Factory in this state until there are no copies of Muse using it. It is marked with this state and a link to the replacement Source Package.
- Cancelled; Sometimes it is necessary to cancel a requested Source Package.



- Test States the test status of a Source Package:
 - Regular testing of Source Packages; The Source Checker determines if each Source Package is performing correctly and records the results of its test in the Test History portion of the Source Package record.
 - Where Source Packages are not tested, we assume they are working when deployed in the Source Factory and that they will stay with a good chance of working for some time. An aging algorithm changes the state of each Source Package every day so that eventually they will move to the Probably Working state and finally (after about 9 months) to the Might not Work state.
 - Available test statuses:





- Source Groups create groups of Source Packages for different customers. For • example create special subject based Groups or size limited Groups to offer to customers.
- Customers create new Customers and view/edit details of existing Customers. • Customers can be created here to give them access to the Source Factory from their Muse Consoles.
- Registration Service information about Serial Numbers issued. •
 - Filter. Export to CSV functionalities:
 - Detai
 - Requ
 - Seria

1, L.	λμυιι		unctionalities,					
						Serial Number Detai		
ailed information for a Serial Number;						Serial Number:		
med mornation for a Senar Number,						Status		
	— .					Tracking Number		
uest	- Extei	nsion;				Build Date	2013-12-12	
al Numbers about to expire.					Lifespan Start 2013-12-12			
ain	umbe	rs about	to expire.			Lifespan End		
						Registered IPs	fe80:00:01:862f638d7#22:4225%13 fe80:00:01:dcb10da:5696:a5bc%11 fe80:00:01:487:af651589:eec5%15 10.12.10.98 fe80:00:01:01:28bc:e9fe:1e40:833C%10 fe80:00:01:01:56fe:a6c:a62%17	
							Maximal Limits	
						Number of Applications	3	
						Concurrent Sessions	0	
					Export to CSV	Source Packages per Application		
G				$\textcircled{\bullet} \textcircled{\bullet} \textcircled{\bullet} \textcircled{\bullet} \textcircled{\bullet}$	Per Page: 20 💌 Go		Extension request	
2013-12-12	ifespan Start	Lifespan End 2015-01-31	Serial Number			Requests History		
2013-12-12		2013-01-31	xo01+37AsLiIs7v5+7j08lr6JdqW+/pQE2T7ZHNeerQ= 1qGbfqqpH1+Is7v5+7j08lr6JdqW+/pQE2T7ZHNeerQ=				Registered products and applications	
2014-04-17		2014-07-17	BPoIQjzldc0ey9KgHsbj2Fr6JdqW+/pQh21NAkcH5qI=			Registered products	Information Connection Engine Server Muse Local Source Factory	MUSE
G	0			$(e \in \mathfrak{S} \mathfrak{S})$	Per Page: 20 V Go		MuseSearch Muse Web Bridge	
	which are: for Muse version: h lifespan ending between:	Active Serial Numbers V All Values V Go	the Serial Numbers			Registered Applications	Muse Admin Bridge Muse Porxy Service Insue Porxy Service Embedded Apache Tomcat Muse Control Center Muse Study Bridge Muse Statistic Monitor Muse Statistic Monitor Muse InfoBase Management System	
							Muse Foundation Application	

Source Factory Lists / Serial Numbers / Serial Number Detail

Source Factory Lists / Serial Numbers Serial Numbers

1 - 3 of 3 Records

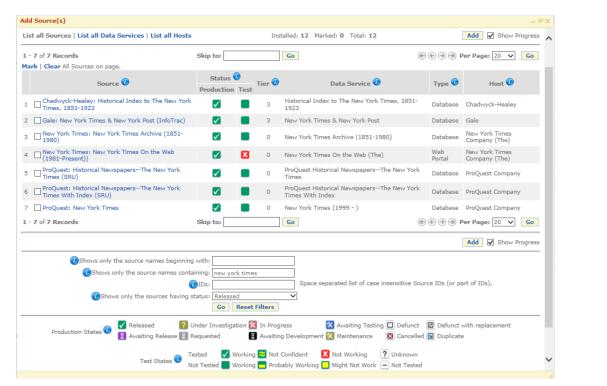
Skip to: 2.6.0.0 2.6.0.0 2.7.0.0

Skip to:

MuseKnowledge[™] Administration Consoles

Add Sources

- MuseKnowledge[™] Administration Consoles connect to MuseKnowledge[™] Source Factory and retrieve the list of available Source Packages which can be installed in a MuseKnowledge[™] Application;
- Filters are available to locate the desired Source Package;
- Multiple Source Packages can be added at a time.



MuseKnowledge[™] Control Center

- Automatic Source Upgrade
 - Eliminate or greatly reduces the need for Administrators to manually run the MuseKnowledge[™] Console Source Upgrade process to keep Sources in their Application up-to-date and functioning optimally for their users;
 - The MuseKnowledge[™] Control Center Automatic Source Upgrade is a Source update process that can be run on a user-determined frequency to automatically upgrade all selected Source Packages;
 - Out of the box pre-configured task file SourcePackagesUpgradeTasks.tsk;
 - Easy to configure the desired upgrade algorithm:

Algorithm	n Properties
The ta:	sk will upgrade only those sources that have been selected and are out of date.
The li	st of upgradable sources can also be filtered by source status:
🖲 Upgr	ade both working and non-working sources
	Restore sources if they aren't working anymore after the upgrade
	The task needs to have a backup copy and to know the status of a source before and after the upgrade to restore it.
O Upgr	ade only non-working sources
Downloa	ad all sources from all applications
Foreact	h Application in Applications do
	Update status of sources before upgrade
4	Force upgrade modulesutil.jar
Fo	reach upgradable source do
	Backup source
	Upgrade source
	Clean-up source related files
	🖉 Merge profile
	🕑 Update status for source after upgrade
	Restore source
en	dfor
endfor	
	Updating the Source's status by testing the Source implies bandwidth usage (depending on the Source the amount may vary) and also may be prohibited by the content vendor. Testing a vast amount of sources each time (possibly a certain number of sources going to the same content vendor) may put a high load on the vendor's servers which serve the content.
Update	Clear



MuseKnowledge[™] Control Center

- MuseKnowledge[™] Source Checker
 - Test Source Packages on regular basis and store the test results into the Global InfoBase;
 - The daily test status obtained is used to compute the overall test status of the Source Package, only the last 7 consecutive tests are used with the following algorithm:
 - Working. This means that almost all tests of the Source Package were successfully; the Source Package is allowed 1 failure and will keep the Working status;
 - Not Confident. This means that successful and failed test results are being recorded alternatively for that Source Packages; 2 consecutive failures will change the test status to Not Confident;
 - Not Working. 7 consecutive failed tests for the Source Package will declare it Not Working;
 - Not Tested. The test statuses from this category are not computed based on tests on Source Packages but they are based on how much time passed since the last repack of the Source Package due to changes inside the Source Package.
 - The test statuses are kept for historical purposes;

MuseKnowledge[™] Control Center

Source Factory Lists / Muse Sources / Test History

Test History

Name: PubMed (MEDLINE)

ID: PUBMED

Application: mgbcheck

Test Status: 000 🗸

No.	Date (UTC)	Test Status	Query	Hits	Retrieved	Description	Туре
1	2014-05-26 11:38:55	\checkmark	computer	564834	11	[PUBMED]: Received 11 records from an estimated 564834	Source Checker
2	2014-05-23 11:47:52		computer	564711	11	[PUBMED]: Received 11 records from an estimated 564711	Source Checker
3	2014-05-21 11:47:12	\checkmark	computer	564464	11	[PUBMED]: Received 11 records from an estimated 564464	Source Checker
4	2014-05-19 11:40:07		computer	564104	11	[PUBMED]: Received 11 records from an estimated 564104	Source Checker
5	2014-05-18 11:40:19	\checkmark	computer	564104	11	[PUBMED]: Received 11 records from an estimated 564104	Source Checker
6	2014-05-16 11:44:11		computer	563951	11	[PUBMED]: Received 11 records from an estimated 563951	Source Checker
7	2014-05-14 11:44:06	\checkmark	computer	563740	11	[PUBMED]: Received 11 records from an estimated 563740	Source Checker
8	2014-05-12 11:39:29		computer	563526	11	[PUBMED]: Received 11 records from an estimated 563526	Source Checker
9	2014-05-11 11:38:42	\checkmark	computer	563526	11	[PUBMED]: Received 11 records from an estimated 563526	Source Checker
10	2014-05-09 11:43:43		computer	563205	11	[PUBMED]: Received 11 records from an estimated 563205	Source Checker
11	2014-05-07 11:43:48	\checkmark	computer	562963	11	[PUBMED]: Received 11 records from an estimated 562963	Source Checker
12	2014-05-05 11:39:25		computer	562823	11	[PUBMED]: Received 11 records from an estimated 562823	Source Checker
13	2014-04-28 11:41:29	\checkmark	computer	562060	11	[PUBMED]: Received 11 records from an estimated 562060	Source Checker
14	2014-04-27 11:40:11		computer	562060	11	[PUBMED]: Received 11 records from an estimated 562060	Source Checker
15	2014-04-25 11:46:39	\checkmark	computer	561952	11	[PUBMED]: Received 11 records from an estimated 561952	Source Checker
16	2014-04-23 11:46:00		computer	561623	11	[PUBMED]: Received 11 records from an estimated 561623	Source Checker
17	2014-04-21 11:39:20		computer	561228	11	[PUBMED]: Received 11 records from an estimated 561228	Source Checker
18	2014-04-20 11:39:05		computer	561085	11	[PUBMED]: Received 11 records from an estimated 561085	Source Checker
19	2014-04-18 11:43:20	Image: A start and a start	computer	561085	11	[PUBMED]: Received 11 records from an estimated 561085	Source Checker
20	2014-04-16 11:43:13	Image: A start and a start and a start a st	computer	560895	11	[PUBMED]: Received 11 records from an estimated 560895	Source Checker
21	2014-04-14 11:41:17	\checkmark	computer	560431	11	[PUBMED]: Received 11 records from an estimated 560431	Source Checker
22	2014-04-13 11:39:29		computer	560431	11	[PUBMED]: Received 11 records from an estimated 560431	Source Checker



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