

# LexEVS 6.5.1 Release Notes

## LexEVS 6.5.1 Release Highlights Include:

Note: This release includes all **LexEVS 6.5.0** changes.

### Features of this Release

#### Efficient Value Set Resolution using Source Asserted Value Sets

- The source of value sets is the NCI Thesaurus (NCIt), and since the NCIt contains logical, computable assertions about what value sets are in its system, business logic has moved towards direct access to the code system rather than external defining files. This has been a collaborative effort with NCIt curators and has resulted in improved loading efficiency of value set definitions and resolved value set coding schemes.

#### Detection of Value Set Updates

- An additional API that detects value set updates has also been made available. This represents an additional efficiency for value set loading.

#### Representation of Value Set Hierarchy

- Other assertions made in the NCIt about the hierarchical style storage of value sets also now have an API as well. This is specific to the NCIt source at this time.

#### Fully Dynamic Source Asserted Value Set Resolution

- Source asserted value set API can fully resolve directly against the source coding scheme.

#### Source Asserted Value Set Search

- New search API implemented against Value Sets

#### LexEVS Services Support for Source Asserted Value Sets

- LexEVS Distributed API and LexEVS REST services updated to fully support Source Asserted Value Sets

#### Enhanced Loaders

- Continued enhancement of existing LexEVS Loaders
  - Notably, expanded OWL2 and RRF support for MED-RT

### Issues Fixed in this Release

- Numerous fixes were included.

### LexEVS 6.5.1 - Features Implemented (43)

Feature	Summary	Type
<a href="#">LEXEVS-3509</a>	I would like to add a value set to the VS hierarchy implementation from an outside source	Improvement
<a href="#">LEXEVS-3694</a>	Change the coding scheme name in ResolvedConceptReference returned by both search and resolution API.	Improvement
<a href="#">LEXEVS-3781</a>	Increase memory on LoadMetaBatch script	Improvement
<a href="#">LEXEVS-3640</a>	Place value set nodes in value set hierarchy using contributing source.	New Feature
<a href="#">LEXEVS-3406</a>	I would like to have a value set service that runs directly against the NCIt	New Feature
<a href="#">LEXEVS-3524</a>	Allow VS Hierarchy to be resolved from Source Asserted VS API	New Feature
<a href="#">LEXEVS-3475</a>	Write controller/business logic layer for Source Asserted VS API	New Feature

LEXEVS-3476	Implement Source Asserted Value Set API	New Feature
LEXEVS-3540	Implement Resolved Value Set Style API for Asserted Value Sets	New Feature
LEXEVS-3545	Update the Resolved Value Set API to include access to Asserted Value Sets	New Feature
LEXEVS-3565	Update and Verify Asserted Value Set Service API for Remote API	New Feature
LEXEVS-3564	Update and Verify Asserted Value Set Search Service for Remote API	New Feature
LEXEVS-3639	Change the URI in ResolvedConceptReference returned by Value Set Search and Resolution methods.	New Feature
LEXEVS-3642	Support search against a specific value set or any collection of value sets.	New Feature
LEXEVS-3301	I would like LexEVSTreeltem attributes to be made public or publicly accessible	New Feature
LEXEVS-2961	VS Workflow: Remove Dependency on value set definition files for NCIt defined Value Sets	New Feature
LEXEVS-2962	VS Workflow: Generate all NCIt sourced resolved value set coding schemes from NCIt source in LexEVS	New Feature
LEXEVS-3058	Value Set: Value Set Hierarchy will be defined from that in the NCIt and returned in a performant manner	New Feature
LEXEVS-2967	Value Set - (Browser) Efficient search by code or name - query for value set that this concept matches	New Feature
LEXEVS-2966	Value Set - (Browser) Efficient retrieval VS definition metadata resolution calls. Faster queries against the definitions themselves.	New Feature
LEXEVS-3170	Provide ability to add Non-NCIt value sets to asserted vs hierarchy	New Feature
LEXEVS-3057	Value Set - Definition for LexEVS Value Set Definition Asserted Source Task	New Feature
LEXEVS-3074	Value Set: Create User Defined property name parameter for Concept Domain	New Feature
LEXEVS-3063	Implement Value Set Tree Integration for Browser API	New Feature
LEXEVS-3165	Implement simpler approach to resolving a list of all value sets	New Feature
LEXEVS-3203	Value Set - Update Resolved Value Set Query Mechanism for Optimized Search	New Feature
LEXEVS-3220	Determine if a NCIt Asserted Value Set has changed	New Feature
LEXEVS-3494	Follow up code cleanup test expansion for Asserted Value Set Indexing	New Feature
LEXEVS-3474	I would like an index access layer to be written for the source asserted value set search	New Feature
LEXEVS-3339	Modularize the full system test to allow individual modules to be run	New Feature
LEXEVS-3473	I would like an Index creation layer to be written for Source Asserted Value Sets	New Feature
LEXEVS-3477	Create Full Unit test suite for the API	New Feature
LEXEVS-3547	Create and support a value set iterator that pages from the data base	New Feature
LEXEVS-3603	Iterators for Assserted Value Sets need to be adjusted for RMI	New Feature

LEXEVS-3617	Update AssertedValueSet Search Extension to work with RMI	New Feature
LEXEVS-3518	I would like to include external value sets in NCIt asserted value set index	New Feature
LEXEVS-3517	I would like to include Neoplasm Tree value set entities in asserted VS index	New Feature
LEXEVS-3135	Default page for lexevsapi6 needs to be updated	Improvement
LEXEVS-3749	Update <a href="http://lexgrid.org">lexgrid.org</a> to be local	Improvement
LEXEVS-3789	Services don't start up when asserted value sets are not present.	Improvement
LEXEVS-3587	Update Lexevs value set loader to work for CTS2 in memory tests	Improvement
LEXEVS-3655	Update to support CTS2 asserted resolved value set read	Improvement
LEXEVS-3739	Add ability to determine if Asserted Value Sets exist before requesting them	Improvement

## LexEVS 6.5.1 - Defects Fixed (29)

Defect	Summary	Type
LEXEVS-3755	LoadUmlsBatch fails to load MED-RT	Bug
LEXEVS-3748	Unable to retrieve correct namespace of target entities in a mapping coding scheme.	Bug
LEXEVS-3741	Core.xsd has a typo in the value set namespace declaration	Bug
LEXEVS-3137	Contains type search breaks on special characters.	Bug
LEXEVS-3221	Duplicate value sets accessing the same index will fail any queries against either scheme	Bug
LEXEVS-3067	Value Set: Thread management for resolved value set loads	Bug
LEXEVS-3071	Value Set Publishing Value Needs to be used to determine VS Loads	Bug
LEXEVS-3092	Hierarchy Source adjustment in LEXEVS-1300 fix creates an unsupported association	Bug
LEXEVS-3101	Code clean up including refactoring, additional testing, any minor issues	Bug
LEXEVS-3121	Value Set (Browser) Create initial index for coding schemes (resolved value sets)	Bug
LEXEVS-3277	Providing support for failing iterator paging on tree service extension	Bug
LEXEVS-3299	OWL2 Loader -- ChEBI load runs out of memory	Bug
LEXEVS-2712	MappingExtension.getMappingCodingSchemesEntityParticipatesIn failure.	Bug
LEXEVS-3305	Loader - Value Set -- SourceAssertedResolvedValueSetLoad overwrites indexes with same name	Bug
LEXEVS-3341	NCIt History Load fails silently and throws other extraneous errors	Bug
LEXEVS-3376	ValueSetDefinition.getEntityDescription().getContent() method does not return description.	Bug

<a href="#">LEXEVS-3377</a>	Value sets with a Publish_Value_Set property set to 'No' are being loaded as definitions.	Bug
<a href="#">LEXEVS-3386</a>	Replace the value of _code (currently, header concept code) by the (source asserted) value set URI.	Bug
<a href="#">LEXEVS-3387</a>	In the source view value set tree returned by getFullServiceValueSetTree, sort nodes by value set names.	Bug
<a href="#">LEXEVS-3388</a>	In the terminology view of value set hierarchy returned by getSourceDefinedTree, place the NCIt node first, and then sort the rest of the root nodes by value set names.	Bug
<a href="#">LEXEVS-3385</a>	Populate _ns attribute in LexEVSTreeItem with proper namespace	Bug
<a href="#">LEXEVS-2183</a>	Tree Extension: TreeService API returns JSON String containing anonymous nodes.	Bug
<a href="#">LEXEVS-3510</a>	I would like to Implement a service layer for the asserted value set search mechanism	Bug
<a href="#">LEXEVS-3681</a>	Serialization Error against the RMI of Resolved Value Set iterator	Bug
<a href="#">LEXEVS-3689</a>	AssertedValueset iterator cannot advance over paged next call	Bug
<a href="#">LEXEVS-3733</a>	Search Iterator Regression failure on Source Coding Scheme Name	Bug
<a href="#">LEXEVS-3779</a>	Orphaned Asserted VS Entity Service is not needed	Bug
<a href="#">LEXEVS-3783</a>	OWL2Loader manifest causes failed update in asserted value set index	Bug
<a href="#">LEXEVS-3830</a>	Target Namespace in mapping iterator ResolveConceptRefence incorrect	Bug

## LexEVS Remote API 6.5.1 - Features Implemented (10)

Feature	Summary	Type
<a href="#">LEXEVSREM-149</a>	Updating Codebase to allow Full Value Set Hierarchy Use	Improvement
<a href="#">LEXEVSREM-147</a>	Updating API to provide high performance resolution of value sets	Improvement
<a href="#">LEXEVSREM-148</a>	Create/Improve/Configure for Distributed Complete set of Resolved Value Set Tests	Improvement
<a href="#">LEXEVSREM-153</a>	Updating Tests and Configuration to support LEXEVS-3221	Improvement
<a href="#">LEXEVSREM-145</a>	Support for Value Set Hierarchy in LexEVS Remote API	New Feature
<a href="#">LEXEVSREM-169</a>	I would like to have Source Asserted Values in Resolved VS work in RMI	New Feature
<a href="#">LEXEVSREM-179</a>	Unit testing and any adaptations for RMI Asserted VS Search	New Feature
<a href="#">LEXEVSREM-213</a>	Expand Iterator Tests for Asserted Value Sets	New Feature
<a href="#">LEXEVSREM-178</a>	Remote Service Requires updates to LexEVS source and tests	Improvement
<a href="#">LEXEVSREM-198</a>	Fix remote API tests not running	New Feature

## LexEVS Remote API 6.5.1 - Defects Fixed (5)

Defect	Summary	Type
<a href="#">LEXEVSREM-60</a>	Tree Extension: TreeExtension ChildTreeNodeIterator method throws exceptions.	Bug
<a href="#">LEXEVSREM-146</a>	Test jars from LexEVS need to be updated to reflect current tests.	Bug
<a href="#">LEXEVSREM-194</a>	Update Tests for Distributed Service For Asserted VS Search	Bug
<a href="#">LEXEVSREM-228</a>	Search on uri for value set fails	Bug

<a href="#">LEXEVSREM-232</a>	Distributed Tests need updates to accommodate new Hierarchy features	Bug
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## LexEVS Remote Client 6.5.1 - Features Implemented

Feature	Summary

## LexEVS Remote Client 6.5.1 - Defects Fixed

Defect	Summary

## LexEVS CTS2 Service 1.6.1 - Features Implemented (13)

Feature	Summary	Type
<a href="#">LEXEVSCTS2-200</a>	CTS2 Service: Test/Update service with no access to <a href="#">lexgrid.org</a>	New Feature
<a href="#">LEXEVSCTS2-156</a>	Remove dependencies that are no longer used/needed.	Improvement
<a href="#">LEXEVSCTS2-251</a>	Update service to work with asserted value set changes	New Feature
<a href="#">LEXEVSCTS2-164</a>	Remove references to remote API in the POM and code	Improvement
<a href="#">LEXEVSCTS2-191</a>	Upgrade Apache Commons Collections to v3.2.2	Improvement
<a href="#">LEXEVSCTS2-205</a>	Update lexevs-service with latest 6.5.1 jar and fix existing issues	Improvement
<a href="#">LEXEVSCTS2-224</a>	Adjust in Memory load to include load of Asserted Value Set Scheme	New Feature
<a href="#">LEXEVSCTS2-216</a>	Adjust Loader for test to include Asserted Value Set Index Load	New Feature
<a href="#">LEXEVSCTS2-228</a>	Update CTS2 Framework version of maven-surefire-plugin	Improvement
<a href="#">LEXEVSCTS2-217</a>	Update CTS2 for asserted resolved value set read inclusion	New Feature
<a href="#">LEXEVSCTS2-235</a>	Update URLs of WSDLs from http to https	Improvement
<a href="#">LEXEVSCTS2-236</a>	Update test and version of lexevs	New Feature
<a href="#">LEXEVSCTS2-243</a>	Update to support CTS2 framework version with local XSDS	Improvement

## LexEVS CTS2 Service 1.6.1 - Defects Fixed

Defect	Summary

## LexEVS CTS2 Framework 1.4.0 - Features Implemented (3)

Feature	Summary	Type
<a href="#">CTS2FW-78</a>	Update URLs of WSDLs from http to https	Improvement
<a href="#">CTS2FW-36</a>	CTS2 Framework: Remove Soap Implementation and testing from this Fork	Improvement
<a href="#">CTS2FW-74</a>	Update XSD references and code to be local	Improvement

## LexEVS CTS2 Framework 1.4.0 - Defects Fixed

Defect	Summary

URI Resolver 1.1.0 - Features Implemented

Feature	Summary

URI Resolver 1.1.0 - Defects Fixed

Defect	Summary