



4.2.1 Integrated Library Management System (ILMS) Version Details

Figure 1: NGL Core 3.2 Helium Version released in 2020

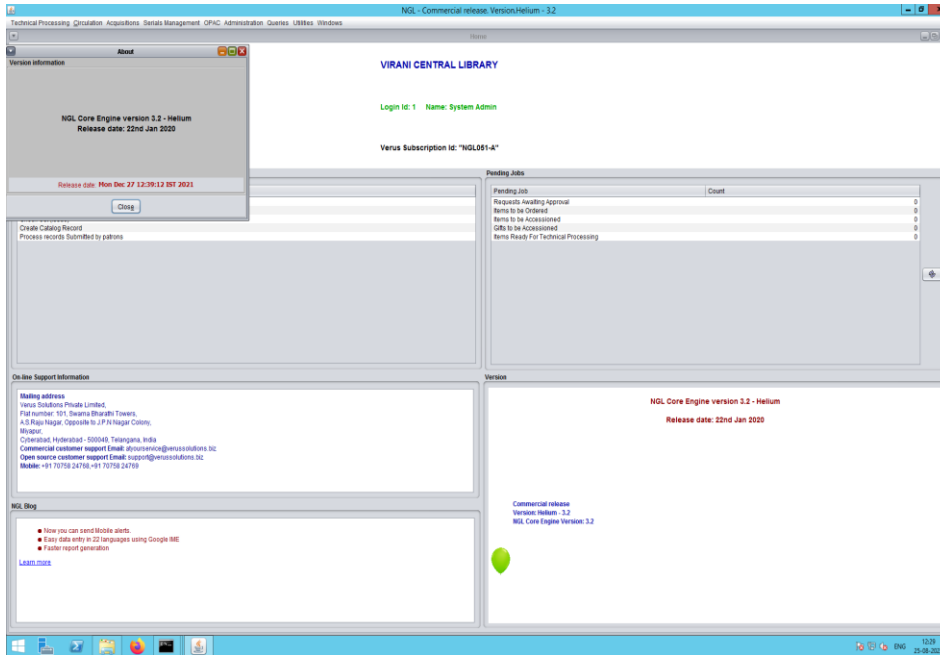


Figure 2: NGL Launch Pad for various modules and also upgrading of the software

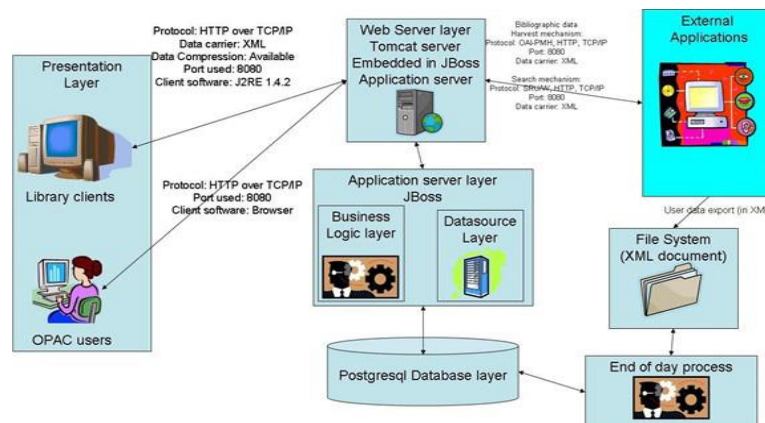


Version History of the ILMS is as follows:

Version	Year
Newgenlib 1.0	2006
NewGenLib V2.1	2007
NewGenLib 3.0.1	2008
NewGenLib 3.0.2	2011
NewGenLib 3.0.4	2013
NewGenLib 3.1.1	2015
NGL Core Enterprises Edition Helium v3.2	2020

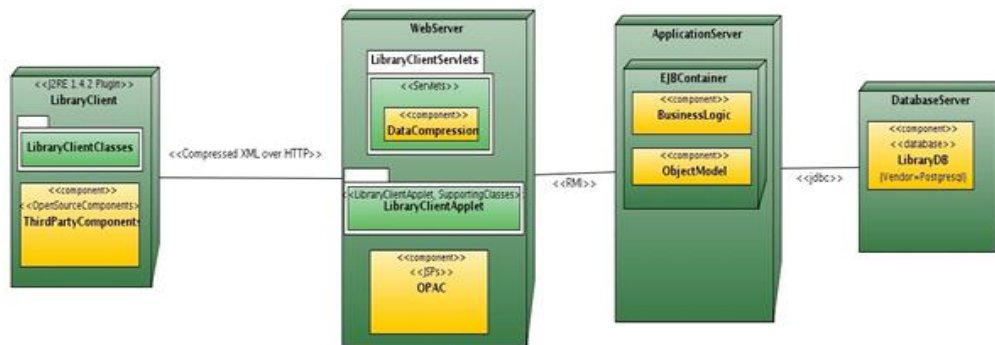
Technology of the ILMS

Given below is a graphical image of the technology of NewGenLib and its advantages. We would like to emphasize that NewGenLib uses contemporary technologies and international metadata and interoperability standards.



Advantages:

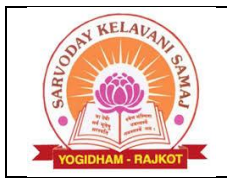
- It is very scalable because each layer can be sized depending on the need
- It is very reliable/robust because specialized components can be used at each layer
- It is better maintainable because problems can be easily identified
- Migration to other layers, e.g., presentation layer is possible very easily.
- It is more efficient because of the middle layer, viz., the application layer. Many tasks are managed via this layer
- XML messaging is used to minimize network traffic.
- The technology also uses many open source components to minimize costs for the user.
- The technology to be used will allow multiple user access to the database and digital content either via the University LAN/Intranet or from a web client.



More details of the software or Features

- Functional modules are **completely web based**. Uses Java Web Start™ Technology
- Compatibility - Complies with **international metadata and interoperability standards: MARC-21, MARC-XML, z39.50, SRU/W, OAI-PMH**
- Uses chiefly **open source components**
- **Scalable, manageable and efficient**
- **OS independent** - Windows and Linux flavours available
- **z39.50 Client for federated searching**
- Internationalized application (**I18N**)
- Unicode 4.0 complaint
- Easily extensible to support other languages
- Data entry, storage, retrieval in any (Unicode 3.0) language
- **RFID** integration
- **Networking** – Hierarchical and Distributed networks
- **Automated email/instant messaging** integrated into different functions of the software
- Form letters are configurable and use XML-based **OpenOffice** templates
- Extensive use of **set up parameters** enabling easy configuration of the software to suit specific needs, e.g., in defining patron privileges
- Supports **multi-user** and **multiple security levels**
- Allows **digital attachments** to metadata

This is a companion standard to that of bibliographic records. A library using NewGenLib can build a local authority file using data from a high quality source such as Loc. This ensures better consistency in metadata records. NewGenLib allows seamless import of authority data from Loc.



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NAAC – Cycle - 3

Criterion- IV

Metric - 4.2.1

Other Details

Developed in India (a Make in India product)

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Link to the latest version details: <http://verussolutions.biz/newgenLib-enterprises-edition.php>

Libraries using NewGenLib

This ILMS is used in more than 240+ Institutions Nationally and Internationally. The details are available at <http://verussolutions.biz/our-clients.php>