

Luna Imaging Inc.

# LUNA

# LUNA 6.0 A Guide to LUNA

Second Edition 6.0.1

Luna Imaging Inc.

### LUNA

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# Welcome to LUNA

This document is intended mainly for system administrators and secondarily for LUNA administrators to provide context and information on how to Install & Configure LUNA. Readers are expected to have a basic knowledge of the UNIX / Windows Operating Systems, Microsoft SQL Server / Oracle Databases / MySQL, and Apache Tomcat and Jboss JSP Server.



#### LUNA Components are as follows:

**LUNA Publisher:** Schedules and is used to pull data out of the Insight Collection Manager, storing it in an XML format. The LUNA Publisher then converts the archive data into a Lucene index for each collection and merges all Collection indexes into one single search index. Once merged, the LUNA Server is placed into a maintenance mode and the newly merged index replaces the existing one.

**LUNA: LUNA** is the dynamic web based front end to Insight collections. With LUNA, users can perform simple keyword searches as well as more complex structured queries, and control how they view, browse, and organize their results to create groups and presentations. LUNA includes the Web 2.0 tools your users are demanding which enable them to save and share their work by linking and embedding any view, image, group, or presentation.

**LUNA Server:** The LUNA Server is the server side component behind the LUNA client. Collections published to LUNA are indexed on the LUNA Server. The LUNA Publisher will automatically update the indexes based upon a schedule that you define.

#### Insight's Components are as follows:

**User Manager:** The User Manager functions as a single point of entry for all Insight Collections and Personal Insight Managers. It consolidates the functions of authentication and authorization for all shared resources within Insight and for LUNA. The User Manager can integrate with an existing security infrastructure if an institution already has a single sign-on solution in place. The User Manager also provides access to resources such as shared folders and groups within Insight. LUNA enables end-user management of viewing preferences, and storage folders for media groups and presentations.

**Collection Manager:** The Insight Collection Manager provides a common interface between client requests and the underlying data repository. Each Collection Manager may contain multiple collections and Virtual Collections of consistent or heterogeneous structures. The Collection Manager also functions as a broker between the clients (the Insight Java Client, Inscribe data editor, Studio (LUNA Publisher and XML Gateway) and the underlying database, coordinating search requests, and data updates.

**Personal Insight Manager:** The Personal Insight Manager is a specialized version of the Collection Manager which supports the creation of Personal Collections with the Insight Java Client.

**Media Manager:** The Insight Media Manager is built around a basic JSP Server, and manages access to Insight's media content. The Media Manager supports direct upload of processed content and also manages access to the JPEG2000 wavelet images that power Insight's Image Workspace.

**Java Client:** The Insight Java Client provides an additional interface for searching, viewing, and managing images, audio, video, and other media. The Java Client also provides end-user collection building tools with Personal Insight and the ability to create Virtual Collections – a subset of content with different access levels.

**Inscribe®:** The optional Inscribe data editor is an end-user cataloging tool designed to support all of an institution's cataloging needs. The Inscribe data editor includes built-in support for controlled vocabularies, date and numeric validation, and complex data relationships. Inscribe also supports an institution's workflow requirements by facilitating the publishing and review processes.

**Studio:** Studio provides collection administrators with the tools to build and manage collections. Studio is a wizard-based tool supporting batch processing of media, batch import of metadata, user management, catalog template creation and management, and other basic functions. The LUNA Publisher is accessible from within the Studio client.

Administrator Tools: The Insight Administrator Tools allow a collection administrator to dynamically manage collections. Components of the Insight Administrator Tools include tools for batch media processing, user and resource management, data indexing, and configuring of the search and user interface.

**JPEG2000 Wavelet Encoder:** The Administrator Tools and Studio include a JPEG2000 Wavelet Encoder. Wavelet encoded images improve performance when accessing large images, reduce storage requirements, and optimize network usage on image delivery.

**Insight XML Gateway:** The XML Gateway provides a web-services based interface for searching and retrieving content stored within Insight collections. The XML Gateway is middleware which allows backend interaction between Insight and other XML aware applications.

#### What's new in Insight v6.0

• LUNA a dynamic web based front end to Insight collections

#### Select Features of LUNA

#### User Features

- Web-based no download necessary; not an offline client, we are online!
- Enhanced searching capabilities with faceted results display and category searching
- Filtered search categories Who, What, Where, When for improved results
- Simple keyword and advanced searching
- Dynamic presentations with convenient export options
- Web 2.0 concepts like embedding, book marking, and linking link *to* anything (image detail, group, slide, presentation) and embed anything *from* LUNA
- Integration with Flickr for adding personal content to LUNA Media Groups for use in slide shows and presentations
- User defined viewing preferences (thumbnail resolution, sort order, items per page, help tips)
- Instantly cross-collection search across all LUNA Community Commons content
- Integrated context specific help with Flash tutorials

#### Administrative Features

- End-users can perform their own account administration
- Customize your institutional identity with CSS themes
- Expanded content distribution via the LUNA Community Commons
- Easily accessible context specific Help and Tips that will reduce end user training requirements
- Ability to generate ad revenue with optional placement of Google ads
- Integrated Google Analytics for detailed usage reports
- Integrated Google Site-Map and search engine optimization to help promote your collection on the Web

#### New Insight Feature

• Support IPTC and EXIF text data

# Installing LUNA

#### Introduction

LUNA is an additive component to Insight. You will need to have a working Insight installation and collection(s) to make full use of LUNA.

LUNA can be installed into any of the supported Insight configurations with the exception of Oracle 8. Add the necessary database and ensure you have a minimum of 512MB of free memory, or the recommended 1500MB of free memory, on your server.

There are two major components to LUNA, the LUNA Publisher and LUNA. Each item requires a database. Follow the same guidelines described in the Insight installation to prepare these databases. Both databases will only store user generated information and will not store contents of the collections. This means the storage requirements for these databases are fairly small. 100MB should be plenty of space.

Create two databases. One for LUNA and one for the LUNA Publisher

#### Running the Installer

The LUNA installer, like the Insight installer, requires a GUI. If you are installing on Linux or Solaris, you will need X Windows to run the installer or other GUI interface.

Start the LUNA installer on your system and follow the prompts described in the following section.

#### Serial Number

The install requires a Serial Number to continue the installation process.

As a licensed institution, you should have been issued one. If not, contact our support department to obtain a valid licensed Serial Number.

support@lunaimag	ing.com
🐙 LUNA Server Suite 6.0	
	Enter Serial Number
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Installing</li> </ul>	This LUNA Suite installation requires a serial number to continue.
Install Complete	Previous

#### **Choose Install Set**

For the Initial installation, you will generally choose Typical. This will include all system components.

- LUNA
- LUNA Publisher
- JBoss
- Administrator Tools



#### Custom Install

For subsequent installations, you may wish to choose to install a specific component. You can choose to install any of the following system components.

- LUNA
- LUNA Publisher
- JBoss
- Administrator Tools

🖫 LUNA Server Suite 6.0		
		Choose Install Set
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Install Set Custom JBoss ULINA ULINA Publisher Admin Tools Description JBoss Application Server	× × ×
InstallAnywhere by Macrovision -		Previous Next

#### Install Location

This will be the base of all the LUNA components selected.

🖳 LUNA Server Suite 6.0	
	Choose Install Folder
Introduction	Where Would You Like to Install?
General Configuration	C:\Program Files (x86)\LunaImaging\6.x\LUNA\
Admin User and Pass	Restore Default Folder Choose
JBoss Setup	
LUNA Configuration	
SMTP Email Setup	
Authentication Setup	
Application Configuration	
Database Configuration	
File Storage Locations	
Pre-Installation Summary	
🔲 Installing	
Install Complete	
InstallAnywhara by Macrovisian -	
InstallAnywhere by Macrowision	
Cancel	Previous

#### Institution Name

This name is used on the LUNA Collections page to indicate the owner of the local LUNA Collections.

The format is: <institution name> Collections

🐙 LUNA Server Suite 6.0	
	Set Institution Name
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Satup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summany</li> <li>Install Complete</li> </ul>	This name is used on the LUNA Collections page to indicate the owner of the local LUNA collections It will be in the format " <institution name=""> Collections" For Example: LUNA's Collections Enter your Institutions Name</institution>
InstallAnywhere by Macrovision –	Previous Next

In the example below, it is set to Luna.

1	Collection Selection		
	・ 誯 All Collections (56,955)		
	Luna Collections		
	<ul> <li>Herbert F. Johnson Museum of Art</li> </ul>		
	NASA Human Spaceflight Collection		
	<ul> <li>NASA Great Images in Nasa Collection</li> </ul>		
	David Rumsey Collection		

#### **LUNA Application Configuration**

If this is the first time you install LUNA, then you must choose the first option "Configure LUNA Applications and create database tables".

If this is a subsequent installation and you just want to **upgrade** or reconfigure the LUNA application without deleting any user generated information, then choose "Upgrade or Reconfigure LUNA (Do not create db tables)".

LUNA and the LUNA Publisher are deployed using Java  $\underline{WAR}$  files. This option will just configure the WAR file and deploy it.

LUNA Server Suite 6.0	
	LUNA Application Configuration
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Install Complete</li> </ul>	If this is your first time installing LUNA you will need to create the database tables (default), If you are upgrading or reconfiguring LUNA to change some preferences, Choose "Upgrade or Reconfigure LUNA (Do not create db tables)" © Configure LUNA Applications and create database tables © Upgrade or Reconfigure LUNA (Do not create db tables)
InstallAnywhere by Macrovision — Cancel	Previous Next

#### Specifying an Administrative Username and Password for LUNA

LUNA requires you to specify an administrative username and password. This username and password will be used for authentication within the Administrator Tools and for accessing the JBoss management consoles. Users with this username and password have access to tools that can manage LUNA collection access and Credentials and modify LUNA's configuration, so be careful who it is shared with.

**NOTE:** This password is not encrypted. Do not use your network or system administrator password.

🖫 LUNA Server Suite 6.0	
	Administrative Username and Password
Introduction General Configuration Admin User and Pass JBoss Setup LUNA Configuration DUNA Configuration	Please specify a username and password for the LUNA Administrator Account. This username will be used to manage the User and Credentials in the Administrator Tools and for accessing the JBoss managment consoles.
BMTP Email Setup     Authentication Setup     Application Configuration     Database Configuration     File Storage Locations	LUNA Adminstrator Username admin Password ***** Please confirm your password
Pre-Installation Summary     Installing     Install Complete	Password *****
InstallAnywhere by Macrovision –	Previous Next

#### JBoss Setup

The LUNA application and LUNA Publisher are served via JBoss. The installation will take care of all major configurations with JBoss but you may choose to select different ports for the application to run on.

**Note:** You are also choosing how much memory to allocate to the application. Make sure this much memory is freely available or the server will have out of memory errors.

🖫 LUNA Server Suite 6.0	
	JBoss Setup
Introduction General Configuration Admin User and Pass JBoss Setup LUNA Configuration SMITP Email Setup Autivation Setup Application Configuration Database Configuration File Storage Locations Pre-Installation Summary Installing	Setup will configure JBoss for the LUNA Servlet Components.         If you have a configuration of JBoss or Tomcat that conflicts with the following ports, please make the nessisary adjustments.         Jboss also has many other ports that get initialized. If you already have a version of JBoss running on your system, you will need to make adjustments in the JBoss configuration files.         JBoss Hostname       luna.lunaimaging.com         JBoss Port #       8160         AJP Connector Port #       8109         JBoss SSL Port #       8443
Install Complete	Enter Maximum memory for JBoss in megabytes 1024
InstallAnywhere by Macrovision	
Cancel	Previous Next

#### LUNA Configuration

This section allows you to choose how the LUNA application is generally configured.

#### **Insight User Manager Address**

LUNA can use your existing Insight User Manager to grant access to your collection resources. You do not need to create the accounts. As a user is logged in, the username is passed to the LUNA system (not including the password) and the user is granted access to the same collections that they had access to in Insight.

#### Header Graphic Hyperlink

You have the option to make a link in the Header Graphic go to a specific http address. By default the address will return to the LUNA collections Page (/luna/servlet).

This feature is useful if you want to create a launch page for the LUNA application and from LUNA the user can return to the launch page.



🖳 LUNA Server Suite 6.0	
	LUNA Configuration
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Insight User Manager Address You have the option to make the Header Graphic hyperlink go to another http address. By default this hyperlink will return to the Collections page at the following address: Auna/servlet /luna/servlet
InstallAnywhere by Macrovision — Cancel	Previous

#### Enable Google ads

If you would like to place ads on the content of your site to generate potential revenue to support your collections, just check the ads box. The ads will be placed on the right side of the application. Go to <u>http://www.google.com/intl/en/ads/</u> to sign up for an AdSense account. You will be prompted later in the installation to provide additional information specific to your AdSense account.

#### **Enable End User Registration**

LUNA has built in end user self management. If you would like your end users to manage their own accounts (allowing them to create Media Groups, presentations and search External Media), select this item. Later in the configuration you will be asked for your email server information for outgoing messages.

#### Access LUNA Community Commons Collections

Selecting this option indicates you want to receive free collections from the LUNA Community Commons. You will be required to provide additional information later in the installation process.

#### Share Select Collections with the LUNA Community Commons

Selecting this option indicates you want to share some of your collections with the LUNA community. You will be required to provide additional information later in the installation process.

#### Enable SSL for Login

To prepare your system to support SSL during login, select this item. You will also need to install a certificate to implement the SSL login capabilities.



#### Access LUNA Community Commons Collections

#### LUNA Community Commons Server Address

To access the LUNA Community Commons, you may need to enter the appropriate Community Commons server address (the default will work unless told otherwise).

#### Enter your Institution's Short Name and your Serial Number

When you were issued your Serial Number, you were also issued a Short Name for your institution. This Short Name and your Serial Number are your keys to access the LUNA Community Commons collections.

🐙 LUNA Server Suite 6.0	
	Access LUNA Community Commons Collections
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	LUNA Community Commons Server Iunacommunity commons.lunaimaging.com Enter your Institutions Short Name as it was issued to you with your Serial Number Enter your Serial Number, it is your LUNA Community Commons password
InstallAnywhere by Macrovision – Cancel	Previous Next

#### Share Select Collections with the LUNA Community Commons

With LUNA you can share some of your collections with the larger LUNA Community.

1. Enter Your LUNA Community Commons sharing URL.

- This is the address to your LUNA server. The LUNA Community Commons Server will use this address to retrieve the collections you decide to share.
- 2. Enter Your Access ID and Access Password
  - This will be used by the LUNA Community Commons server to gain access to your selected LUNA collections.
  - By default this has been set to your institution's Short Name and Serial Number.
- 3. Create a new LUNA account
  - This account will be used to define what collections are being shared with the LUNA Community.
  - Once you have collections in LUNA, you can use the Admin Tools to assign collections to the Content Distribution Credential.

Introduction	Your LUNA Community Commons sharing URL	
General Configuration	Must be accesable to	
Admin Lisen and Dasa	lunacommunitycommons.lunaimaging.com	_
J Admin User and Pass	http://www.example.edu:8180	
LUNA Configuration	To allow the LUNA Community Coommon server to access your LUNA_Server provide an Access ID and Password	
SMTP Email Setup	Access ID	
Authentication Setup		-
Application Configuration	Access Password	
Database Configuration	To control what collections will be publicly accessible, you	
File Storage Locations	need to create a New LUNA Account.	
Pre-Installation Summary	This Account will be assigned to the Content Distribution	
Installing		- 1
Install Complete	New LONA Osername	
	New LUNA Password (max 20)	
	New LUNA Password (max 20)	-

#### **Google AdSense Configuration**

If you are seeing this screen, then you have selected to enable Google ads on your site. You will need to provide specific information to enable this feature properly. During your account setup in AdSense, you were provided information appropriate to this feature.

🐙 LUNA Server Suite 6.0	
	Google AdSense Setup
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Autinentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Install Complete</li> </ul>	You have slected to configure AdSense. Please Provide the following information         Ad Slot         Ad Slot         Ad Source URL         Ad Width         120         Ad Height         240         Google Ads Client ID
InstallAnywhere by Macrovision – <u>C</u> ancel	Previous

#### SMTP Mail Server Setup

If you selected end user registration, then fill in the following form.

- Your email domain address
- SMTP Port Number
- SMTP User (optional)
- SMTP Password (optional)
- Senders email account (the account end users will respond to if necessary)

🖫 LUNA Server Suite 6.0	
	SMTP Email Setup
Introduction General Configuration Admin User and Pass JBoss Setup LUNA Configuration	You have selected to allow End User self registration. To allow the end users to manage their accounts, you will need to provide your SMTP information.
SMTP Email Setup     Authentication Setup     Application Configuration     Database Configuration     File Storage Locations	SMTP Hostname mail.example.edu SMTP Port 25 SMTP User
Pre-Installation Summany     Installing     Install Complete	SMTP Password Senders Email account support@example.edu
InstallAnywhere by Macrovision - Cancel	Previous Next

#### LUNA Publisher Maintenance Setup

The information supplied in this panel is used when LUNA needs to be placed into a maintenance mode so that you can perform server adjustments or the LUNA Publisher needs to replace the Lucene index with an updated version.

The maintenance mode is invoked via a URL with a security key. We suggest making the security key obscure by using only web friendly characters and letters.

🖳 LUNA Server Suite 6.0	
	LUNA Publisher maitenance setup
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Install Complete</li> </ul>	LUNA Server Address         http://luna.lunaimaging.com:8180/luna/servlet         Enter a string of letters and numbers that will be used by the LUNA Publisher to put LUNA system in maintenance mode durning updating of the search index.         LUNA Publisher Security Key
InstallAnywhere by Macrovision – Cancel	Previous Next

#### Choosing a Database Type

The installer is designed to connect to your database server and to create database tables, fields and indexes for your LUNA Server and LUNA Publisher. Please choose the database type you wish to use. The information you identify here will be used to configure LUNA.



#### LUNA Database Information

Provide the information necessary to connect to your database, including the hostname, database name (SID Name if you're using Oracle), and database port. The installer will offer default values based on information provided earlier. Review the defaults (and change them as needed).

🖳 LUNA Server Suite 6.0	
	LUNA Database
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Specify the Database Hostname or IP Address and Database         Name for your LUNA Datbase. Be sure the Port Number is correct         depending on whether you are using MSSQL, Oracle or MySQL.         Hostname       Iocalhost         Database Name       LUNA         Port       1433         Common Port #'s are: MSSQL: 1433; Oracle: 1521 ; MySQL: 3306
InstallAnywhere by Macrovision	Desting Net
	<u>Previous</u> <u>N</u> ext

#### **Database Username and Password**

Please specify the username and password for your database. This is the username and password that LUNA should use to connect to the database.

🐙 LUNA Server Suite 6.0	
	LUNA Database login Info
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Specify the Database Username and Password for connecting to the database server. Database User Iuna Database Password ******
InstallAnywhere by Macrovision – Cancel	<u>Previous</u>

WARNING: the installer will DROP ALL LUNA TABLES once it has connected, so be sure that you are not installing over an existing version of LUNA. (The installer will warn you again before it actually drops any tables.)

#### Creating the LUNA Database

Once the installer has tested the connection, it will present you with the database creation script window. Click "Run Script" to create the LUNA tables and indexes.

🖳 LUNA Server Suite 6.0	
	LUNA Database Creation
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Authentication Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Installing</li> </ul>	Connected to Database Successfully Click "Run Script" below to connect to the database and create tables.
Install Complete	Run Script
InstallAnywhere by Macrovision — Cancel	Previous Next

#### LUNA Graphics URL

The LUNA Graphics URL is used to access LUNA theme header graphics. Just make sure this URL is externally accessible from the installed machine. Do not use localhost or any other internal domain unless you know for sure the content will not be used outside of your institution.

🖳 LUNA Server Suite 6.0	
	LUNA Graphics URL
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Diabase Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	This is the default location where LUNA background theme images will be loaded from. These images are stored in C:\Program Files (x86)\Lunalmaging\6.xLUNA/graphics. Make sure this path is not localhost. End users will be accessing this location for the LUNA background images LUNA Graphics URL http://luna.lunaimaging.com:8180/graphics
InstallAnywhere by Macrovision	
<u>Cancel</u>	Previous Next

#### LUNA Publisher Database Information

Provide the information necessary to connect to your database, including the hostname, database name (SID Name if you're using Oracle), and database port. The installer will offer default values based on information provided earlier. Review the defaults (and change them as needed).

🐙 LUNA Server Suite 6.0	
	LUNA Publisher Database
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Burnmany</li> <li>Install Complete</li> </ul>	Specify the Database Hostname or IP Address and Database         Name for your LUNA Publisher Datbase. Be sure the Port Number         Is correct depending on whether you are using MSSQL, Oracle or         MySQL.         Hostname       localhost         Database Name       LunaPublisher         Port       1433         Common Port #'s are: MSSQL: 1433; Oracle: 1521 ; MySQL: 3306
InstallAnywhere by Macrovision —	Provinue Nevt

#### **Database Username and Password**

Please specify the username and password for your database. This is the username and password that LUNA Publisher should use to connect to the database.

🐙 LUNA Server Suite 6.0	
	LUNA Publisher Database login Info
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Install Complete</li> </ul>	Specify the Database Username and Password for connecting to the database server.         Database User         Lpub         Database Password
InstallAnywhere by Macrovision – <u>C</u> ancel	Previous Next

**WARNING:** the installer will **DROP ALL LUNA Publisher TABLES** once it has connected, so be sure that you are not installing over an existing version of LUNA Publisher. (The installer will warn you again before it actually drops any tables.)

#### Creating the LUNA Publisher Database

Once the installer has tested the connection, it will present you with the database creation script window. Click "Run Script" to create the LUNA Publisher tables and indexes.

🖳 LUNA Server Suite 6.0	
	LUNA Database Creation
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Install Complete</li> </ul>	Connected to Database Successfully Click "Run Script" below to connect to the database and create tables.
InstallAnywhere by Macrovision —	Providuo

#### Lucene Index Folders

LUNA uses Lucene to search for content in your collections. These indexes can add up to hundreds of megabytes depending on the content you have in your collections. 160,000 objects takes about 400MB but this is entirely dependent on the size of your collections that you are accessing. So choose an appropriate location that can grow with your collections.

🐙 LUNA Server Suite 6.0	
	Choose a Folder for the LUNA Lucene indexes
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Install Complete</li> </ul>	LUNA needs to store two Lucene Indexs (for searching your collections). One for the your content and one for publicly accessed content.         Please Choose a Eolder:         C:\Program Files (x86)\LunaImaging\6.x\LUNA         Restore Default Folder       Choose
InstallAnywhere by Macrovision –	Previous

#### **LUNA Temp Files Location**

During the use of LUNA, content is exported and this location is used to store that information temporarily.

🖫 LUNA Server Suite 6.0	
LUNA Server Suite 6.0   Introduction  General Configuration  Admin User and Pass  JBoss Setup  LUNA Configuration	Choose a Folder for the LUNA Temporary files The LUNA server needs to access to a temporary file location. This location is used for exports of images and presentations
<ul> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Please Choose a Eolder:         C:\Program Files (x86)\LunaImaging\6.x\LUNA\temp         Restore Default Folder       Choose
InstallAnywhere by Macrovision - Cancel	Previous Next

#### **LUNA Storage**

LUNA and the LUNA Publisher need space to store information extracted from Insight collections and a place to create the Lucene indexes during the publishing process. LUNA also uses this area for content distribution with the LUNA Community Commons Server. This area can easily grow to several gigabytes.

🖳 LUNA Server Suite 6.0	
	Choose a Folder for the LUNA Storage
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Install Complete</li> </ul>	LUNA needs a location to store and distribute content extracted from Insight collections. This will require several gigabytes of space depending on the size of and how many collections you are working with.         Please Choose a Folder:         C:\Program Files (x86)\LunaImaging\6.x\LUNA         Restore Default Folder       Choose
InstallAnywhere by Macrovision - <u>C</u> ancel	Previous

#### Start the Install Process

This may take several minutes depending on the server speed and how you are accessing the installer.



Before Installing LUNA and the LUNA Publisher you will see this **IMPORTANT** message.

🖳 LUNA Server Suite 6.0	
	Important Note before Installing
<ul> <li>Introduction</li> <li>General Configuration</li> <li>Admin User and Pass</li> <li>JBoss Setup</li> <li>LUNA Configuration</li> <li>SMTP Email Setup</li> <li>Authentication Setup</li> <li>Application Configuration</li> <li>Database Configuration</li> <li>File Storage Locations</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	IMPORTANT The Installer will now backup any existing LUNA and LUNA Publisher configurations. With any upgrade, you should perform your own backups of the filesystem before Installing any new version. Any manual configuration of LUNA will not be retained and you will need reapply any configurations once the install is complete. This relates to any Kerberos and/or LDAP modifications to the applicationContext file.
InstallAnywhere by Macrovision -	
Cancel	Previous

\*\*\*\*IMPORTANT NOTE for users of LDAP and/or Kerberos configurations\*\*\*\*

All manual configurations that you have made to the applicationContext.xml file for LUNA will be not be retained. This new install will need to be edited to reestablish these configurations.

Your existing LUNA and LUNA Publisher will be backed up to the luna\_backups in your install directory within a dated zip file.

#### Starting LUNA and the LUNA Publisher

You can start these two servers by starting the JBoss server.

Go to: <Install Directory>/jboss/bin You can use the standard jboss supplied run scripts run.bat or on Linux and Solaris you can start the servers by executing the run.sh script. If you want to run this in the background we suggest running: nohup ./run.sh &

We have also supplied you with our standard java service wrapper version for starting and stopping the application:

start\_jboss.bat on windows and start\_jboss.sh for Linux and Solaris will start jboss in a console mode.

If you would like to start jboss as a service on windows, we have supplied you with the install\_as\_service.bat file

If you want to run jboss in the background using the java service wrapper on Linux or Solaris, you can start it with: ./jboss\_service.sh start

The script has the following options: console | start | stop | restart | status

Once started go to http://www.example.edu:8180/

You should see something like the following:



The LUNA application will now be available at <u>http://www.example.edu:8180/luna/servlet</u> and it will look similar to the following page:



# Adding Insight Content to LUNA

# Introduction

It's fairly easy to add Insight content to LUNA but first you should know what LUNA is and what it is not.

LUNA is a search interface and a place to work with media content. LUNA is not the repository of the content. LUNA allows the end user to select, organize and make use of various image and media content.

Currently, in version 6.0, LUNA supports two kinds of source content. You can access and use Insight content and you can access and use content from Flickr.

Insight Studio is used to prepare content for LUNA using the LUNA Publisher and the LUNA theme header graphic creator. These tools are available from the Insight Studio Task Menu.



(LUNA Publisher)

Publish Collection to LUNA



Modify LUNA Theme Graphic

**Note:** You do not need to upgrade your Insight Collection Managers to work with LUNA. LUNA will work with all 5.x Insight Collection Managers.

The only suggested adjustment you need to make is to update the language bundles on the Insight User Manager. This will ensure that you see the correct text labels while using the 6.0 Insight Studio tool.

#### The LUNA Publisher

So what does it mean to add content to LUNA? Well it's pretty simple; it means extracting all descriptive data from Insight and placing it into an index that LUNA uses to search. It also sets up and provides LUNA with information to connect to the Insight collection.

The LUNA Publisher is the tool you use to do the following.

- Schedule when and how often the LUNA collection index is updated from the Insight Collection.
- Setup LUNA specific characteristics
  - Choose Media Summary fields (provides additional roll-over information).



o Choose the Who, What, When, Where fields used for filtering search results.



- Identify the URL to the LUNA header graphic.
- Using the Merge and Load Task, all individual collection indexes are merged into a single index and then loaded into the live LUNA system.

#### LUNA Theme Header Graphic

The LUNA theme header graphic is the background that shows up at the top of the LUNA interface and can be different for each collection. This is used to provide collection identity. The graphic needs to be  $754 \times 65$  and should fit the theme being used by fading to a solid color on the right of the graphic



You can also setup a LUNA header graphic that will be used when more than one collections are being accessed. Edit the Extended Collection Properties for the "-1" Collection ID.

🛅 Edit Extended Colle	ction Properties 1
Featured Media Group:	<b></b>
Introduction Text:	
Header Graphic URL:	/luna/images/luna-default-header.jpg
Theme:	default
	✓ Use as Default
	Save Cancel

The default is set to /luna/images/luna-default-header.jpg



# Let's Get Started

#### **Prerequisites**

You need the following to proceed:

- LUNA and the LUNA Publisher need to be installed and running.
- 6.0 version of Insight Studio configured with access to the LUNA Publisher.
- At a minimum, the language bundles on the Insight User Manager need to be updated.
- Insight Studio access to the collections you will be adding to LUNA.
- Inscribe access to the collection(s) you will be publishing.

**Note**: The LUNA Publisher pulls the descriptive metadata and media information from a form of Inscribe. In certain collections that were created prior to 5.x, this content may not be properly accessible. If you do not see the correct images or data in the Inscribe tool, contact Luna's support department for assistance in preparing your collection for LUNA.

Collections that were created in Insight 5.x will not have this issue.

#### **Publishing a Collection**

Start Insight Studio, select the collection you want to publish to LUNA and from the Main Task Menu select the LUNA Publisher.



Next, select "Launch LUNA Publisher".



This will launch a web browser and connect to the LUNA Publisher.

Connecting to LUNA	Publisher		×
Disess weit while			
Please wait whil	e connecting	to LUNA Publishe	۶ <b></b>

Once in the LUNA Publisher, you can make your selections in the following areas:

- Enter a Task Description (optional).
- Choose the Theme for your collection.
  - Only "default" is available in the initial release of LUNA. Additional themes will become available in the future. These new themes will change the color scheme of the entire application.
- Choose the LUNA Header Graphic URL for your collection. If you have not selected one, the default graphic will be used.
- Choose the Insight User Group that will be used to access the data from your Insight Collections.
- Select the Title Field from the drop down list. This Title will be used to identify individual media items on several pages within the LUNA application, such as the Detail view and as a label in a slideshow.
- Select up to 4 Summary Fields to display. The Summary Fields will display as the user moves their mouse over the thumbnail images.
- Drag and Drop up to 20 fields into the Who, What, Where and When categories.
- Choose a recurring schedule for the LUNA Publisher to perform updates of the LUNA search index.
- You have 4 options When completing this task
  - Save Task (will only save the task)
  - Save and Run Task (will save and run the task now)
  - Save and Schedule Task (will save then execute the task on a schedule)
  - Save, Schedule and Run Task

Collection Propertie	es			1.1. 4000 (4000 (000	Instructions:
Collection Name:	David Rums	Reschedule: Davi sey Historical Map	d Rumsey Historica	1 Map-1223412964395	The following steps are required:
Task Description: Theme:	default T	<ol> <li>Select your LUNA Header Graphic</li> <li>Select your Insight User Group</li> <li>Select a Title field and up to 4 Summary fields</li> <li>Drag and Drop up to 20 fields for your Who, What, When a When a contension.</li> </ol>			
Header Graphic URL:	http://luna.	davidrumsey.com	:8480/graphics/l		5. Schedule your LUNA Publisher Task
User Group:	Rumsey	3× ▼			For more details see the LUNA documentation: A Guide to LUNA
Title Field:	Short Titl	e 🕶			
Summary Field 1:	Full Title	•			Scheduling: Run on the following schedule:
Summary Field 2:	Image N	•			
Summary Field 3:	Publicati	on Author 🔻			Time of day to run: Hour: 00 Minute: 00
Summary Field 4:	Pub Type	. •			Weekly Monthly
Fields	Who	What	Where	When	Sun Mon Tues Wed Thu Fri
Attributed Author	Author	Subject	City	Date	Sat
Attributed	Engraver or	Туре	Country	Date	Save Task
Authors	Printer		County		Save & Run Task
Browse Title Sort Event					Save & Schedule Task
Download Full Title					Save, Schedule & Run Task
Drag and drop up to 12	more fields				

Once you schedule this task, the LUNA Publisher will do the following:

- Archive the data from Insight.
- Produce an Index for the Collection.
- When the Merge and Load task is activated, all collections that have been indexed will be merged and the new Master Index will be created and placed on the live LUNA server.

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a	

Note: You need to activate the Merge and Load task before LUNA will make the collections live.

#### Activating the Merge and Load task

#### So what is Merge and Load?

During the Publishing process a collection is turned into a searchable index for a specific collection. Each index is stored in the collection\_indexes folder on your server.

Once you have published all collections that you currently want to make available in LUNA, these separate published indexes need to be merged into a single index. Then when the merge process is complete, the merged index needs to be loaded as the active current index. Once loaded you can search all collections that have been published to LUNA.

#### Now to activate the Merge and Load task

In the LUNA Publisher task list, locate the Merge and Load task. This will be the one at the top of the List. Click the Modify button.

_	Schedule Task Task Log								
	ask Lis	:t							
	I ask ID	Job Name 👻	Collection Name	User Server Address	Frequency	Status			
	1	Merge and Load			Every Sun, Mon, Tue, Wed, Thu, Fri, Sat at 02:00	inactive	Detail		Modify
	2	nasaNAS-5-NA-1212518746932	NASA Great Images in Nasa Collection	nasa. lunaimaging. com	Every Sun at 00:00	in-progress	Detail	Delete	Modify

- Now set your preference on how often the Merge and Load task will take place. If you want it to run every night at 2am, select all the days of the week and change the hour to 02.
- You have 4 options When completing this task
  - Save Task (will only save the task)
  - Save and Run Task (will save and run the task now)
  - Save and Schedule Task (will save then execute the task on a schedule)
  - Save, Schedule and Run Task

Sched	tule Task Task List Task Log	
	Scheduling:	Reschedule: Merge and Load
	Run on the following schedule:	, i i i i i i i i i i i i i i i i i i i
	Time of day to run: Hour: 00 👻 Minute: 00 💌	
	Weekly Monthly	
	Day(s) of week:	
	Sun Mon Tues Wed Thu Fri Sat	
		Save Task
		Save & Run Task
		Save & Schedule Task
		Save, Schedule & Run Task

#### **Testing your LUNA Collections**

Once your collection(s) have been Published, Merged and Loaded, you will be able to view your Collections in LUNA.

The address to your LUNA collection will be similar to the following. <u>http://www.example.edu:8180/luna/servlet</u>

If you would like to access your collection(s) without the port number (8180), you will need to configure the system to use the AJP connector. There are instructions on how to work with the AJP Connector for both Apache and IIS available on the web.

This document does not cover how to configure the AJP connector.

# Migrating Insight Media Groups and Shares to LUNA

# Introduction

You can perform a one time only migration of Media Groups and Share Folders from your Insight Collections to LUNA.

This process is a single direction process and you will NOT be able to synchronize Media Groups between LUNA and Insight.

You should plan your timing of this process carefully. This should be done with your end users knowledge of what and when this process will take place. Your end users may have a significant amount of work invested in creating and managing these Media Groups and Shares. They should also be very familiar with the new LUNA interface and how they can access their Media Groups once migrated.

#### **Migrating the Content**

#### Prerequisites

On the Install disk for LUNA you will find the utility for the migration in \utilities\media\_group\_migration\_to\_LUNA folder

- You will need access to each Insight Collection Manager on your server and database port access. Basically, if you can run the Admin Tools from the machine doing the migration, then you have sufficient database access to perform the migration.
- You will need the InsightServer.dat for each collection you plan to migrate the Collection level Groups from.
- You need the InsightUserServer.dat for the User Manager.
- You need the LunaServer.dat that was created at the Install time of LUNA. This file is contained in <LUNA Install directory>/resources/For\_Media\_Group\_Migration

These files have the database connection information in them and will be used for the migration.

- You will need access to the User Managers Image-Group-Files folder. This can be a copy or the original.
- The utility uses Java 1.4 and it will need to be available for the migration. All of the Insight servers use Java 1.4 so you can reference the Insight Server version.
- Make sure all Shares have an owner. This can be done using the Admin Tools and looking at the Owner Column of the User Shares. If they do not have an owner, please assign one or a random owner will be assigned at the time of migration.



#### Steps for the Collection Level Group Migration

- 1. Copy the media\_group\_migration\_to\_LUNA folder to the location where you will perform the migration.
- 2. Copy the LunaServer.dat into your media\_group\_migration\_to\_LUNA folder.
- 3. Edit the LunaServer.dat.
  - a. Modify the MediaGroupDefaultPassword= property to set the password used to Protect the Media Groups in LUNA.
  - b. Set the ImageGroupFileDir= to point to the Image-Group-Files folder.
- 4. Copy the InsightServer.dat into your media\_group\_migration\_to\_LUNA folder.
- 5. Edit to the run\_collectiongroupexport.bat (windows) or run\_collectiongroupexport.sh (Linux or Solaris) to point to a local version of Java 1.4 if it is not in your PATH environment.
- 6. Execute the run\_collectiongroupexport script (only once) if you run this twice, you will end up with duplicate Media Groups.
- 7. Verify that the Media Groups are in your LUNA system located in Explore/Media Groups.



8. Repeat for each Collection Manager that you are migrating Collection Level Media Groups from by replacing the InsightServer.dat.

#### Steps for Migrating Insight Shares and Media Groups

- 1. Copy the media\_group\_migration\_to\_LUNA folder to the location where you will perform the migration.
- 2. Copy the LunaServer.dat into your media\_group\_migration\_to\_LUNA folder.
- 3. Edit the LunaServer.dat.
  - a. Modify the MediaGroupDefaultPassword= property to set the password used to Protect the Media Groups in LUNA.
  - b. Set the ImageGroupFileDir= to point to the Image-Group-Files folder.
- 4. Edit to the run\_shareexport.bat (windows) or run\_shareexport.sh (Linux or Solaris) to point to a local version of Java 1.4 if it is not in your PATH environment.
- 5. Execute the run\_shareexport script (only once). If you run this twice, you will end up with duplicate Media Groups.
- 6. Verify that the Media Groups are in your LUNA system located in Explore/Media Groups.



# Managing LUNA with the Administrator Tools

### Introduction

The Administrator tools have been enhanced to incorporate tasks for managing the LUNA application and configuration.

In the Administrator Tools you can:

- Manage user rights
- Manage Credentials
- Manage IP range access privileges
- See what collections LUNA has loaded
- Manage the LUNA Application Configuration
- Manage the Collection Properties
- Place the LUNA Application into maintenance mode

### Managing User Rights and Access Privileges

Before defining how to manage users and their privileges, you need to understand what options exist and how they are integrated with current Insight User Management.

If you have been working with Insight, then you should be familiar with how Insight grants access to collections. LUNA can work with existing Insight authenticators to grant your users access to your collections.

During your installation, you were asked for your User Manager's address. If you are using the default Insight User Manager to grant access to your collections, then you do not need to do anymore work to allow your users access to collections in LUNA.

LUNA also has several other authenticators that can be used to grant access to your Collection resources.

- LUNA self registration and user management
- Integrate with Active Directory using Kerberos and LDAP
- Authenticate via LDAP

#### LUNA Self Registration

During the install process you were given the option to let users self register in LUNA. If you selected this option you will see the Register option at the top of the LUNA application.

Welcome   Login   Register	Search LUNA
	Search
	Advanced Search

This allows the user to create and manage their own account in LUNA. Once registered, the user will be granted the default privileges defined in the default Credential.

#### Integrate with Active Directory Using Kerberos and LDAP

As with Insight, LUNA can be integrated with Active Directory to grant access to your Collections.

To configure LUNA with your Active Directory server, you will need to contact our support department for instructions on your specific configuration <u>support@lunaimaging.com</u>. This document does not go into the configuration details of Active Directory integration.

#### Integrate with LDAP

As with Insight, LUNA can be integrated with LDAP to authenticate your users and grant them access to your collections.

To configure LUNA with your LDAP server, you will need to contact our support department for instructions on your specific configuration <u>support@lunaimaging.com</u>. This document does not go into the configuration details of LDAP.

#### Advantages of LUNA Authentication Methods Not Available in Insight Java Client

LUNA authentication has been designed to be more flexible to allow for future authentication methods and to allow for mixed authentication methods to be used.

LUNA can be configured to use more than one authentication method in your environment. LUNA can be setup to step through any number of authenticators. For example:

- You can have LUNA access the Insight User Manager and also allow for LUNA self registration.
- You can have an LDAP server authenticate and use the Insight User Manager to grant access to individuals who are not in your LDAP server.

There are many ways LUNA can be configured. Please contact <u>support@lunaimaging.com</u> for any questions you might have.

#### LUNA's Escalating Collection Access

LUNA has also been designed to grant increasing access as a user passes certain conditions.

At your institution you may want to do the following:

- Level 1 anonymous user off site but you still want to make some of your collections accessible.
- Level 2 (within a lager block of IP's) on site privileged collections are accessible.
- Level 3 (within a restricted block of IP's) on site but in a particular area where the user is granted access to restricted collections.
- Level 4 (logged in to LUNA) granted access to even more collections with the ability to export.

This is a very flexible system and can meet many needs for granting varied collection access.

# Credentials

Credentials are used to define a set of privileges to selected collections.

E Control Panel - Main		_0	
🗀 Console Root	Name	Description Ex	
🕀 式 User Managers	Content Distriution	Defines what content will be publicly shared	
E Collection Managers	Administrator	nas access to all collections	
E- LUNA Managers	Anonymous Liser	The default credentials for any user not longe	
Er 📷 localnost - Lona Server (aumin)	Anonymous osci	The delaat creachild s for any user not logge	
- 🗋 Admin Accounts - 🚞 Application Configuratio	t Credential - Adminis	strator	
	tial: Administrator		
- Credentials Descrip	otion: has access to a	all collections	
<ul> <li>Credential Settings</li> <li>Extended Collection Pro</li> </ul>	Z Export Allow	wed	0000000
– 🧰 IP Ranges	🗌 Set as defau	ault	
🖵 🔂 Server Maintenance Mo	Dublic Conte	topt Allowed	
		tent Alloweu	20000
Availa	ble Media Collections	s Assigned Media Collections	
NASA	Solar and Heliospher	eric Obse	
NASA	Dryden Flight Resear	rch Cente	
			10000
	000000000000000000000		
		Save Cancel	

There are four Credentials by default in your LUNA application. You are responsible to define what each one of these will be used for. You can create as many Credentials as you want.

With a Credential you can:

- Define what collections are accessible
- Indicate if exporting will be allowed
- Define it as the default (only one allowed)
- Indicate if the LUNA Community Commons (publicly shared collections) will be
   accessible

Only one credential can be assigned to:

- An IP Range
- A User
- Default (Anonymous User)

Run Maintenance Mode twice to load your new Credential settings.

#### **Credential Settings**

Using Credential Settings, you have the following three options: 3, 4 and 5.

- 3 indicates the user has up to Size 3 access (768 pixels on the long side).
- 4 indicates the user has up to Size 4 access (1536 pixels on the long side).
- 5 indicates the user has full access privileges to the images.



Access to LUNA Size 2 (384 pixels on the long side) is automatically assumed.

#### **User Settings**

Each user will be assigned a credential.

돈 Control Panel - Main					
Console Root	User Name	Password	Credential ID	First Name	Last Name
🔃 🍰 User Managers	jdoe	lunainsight	4	Jon	Doe
🕀 🛃 Collection Managers					
🔄 🔄 LUNA Managers					
🖻 🛃 localhost - LUNA Server (admin)					
— 🚞 Admin Accounts	📄 Edit Us	er - jdoe 🔅			
— 🚞 Application Configuration	Crodontia				
– 🚞 Users	Creuenua	•			
– 🚞 Media Collections		2 - Local Use	r 🔻		
– 🚞 Credentials					
– 🚞 Credential Settings	6.2	un	Cancol		
– 🚞 Extended Collection Properties	30	ve	Cancer		
– 🧰 IP Ranges					
🛏 🏣 Server Maintenance Mode					
		88888			

Users cannot be added from the Admin Tools. Instead, they will be created through the following:

- User Self Registration (passwords will display in Admin Tools)
- Automatically migrated from the Insight User Manager on first login (passwords never copied)

- From Active Directory (passwords never copied)
- From LDAP (passwords never copied)

Each authenticator will add its own user and each user is granted the default Credential. You can reassign a Credential to a user at any time.

If you are using the Insight User Manager to get access to your collections, you will receive access to all collections you had access to in Insight, in addition to whatever is defined in the default credential.

#### **IP** Ranges

IP Ranges are another way of assigning Credential level privileges. You can set up IP ranges to grant access to specific areas and access to specific content.



Run Maintenance Mode twice to reload your new settings.

### **Media Collections**

Media Collections shows you which collections have been added to LUNA.



#### **Extended Collection Properties**

Extended Collection Properties are provided to allow you to make changes your collections.

E Control Panel - Main				
🚞 Console Root	Collection ID	Default Media Group	Header Graphic URL	Home G
🗄 🛫 User Managers	NVA2~9~9		0	
E- Collection Managers	nasaNAS~8~8		1 http://192.168.1.252:8	http://192.1
🖻 📃 LUNA Managers	-1		0	/luna/imag
🗗 🔂 localhost - LUNA Server (admin) – 🦳 Admin Accounts	Edit Extended Collection Properties - nasaNAS~8~8			
<ul> <li>Application Configuration</li> <li>Users</li> </ul>				
<ul> <li>— Media Collections</li> <li>— — Credentials</li> </ul>	Introduction	Text:		
— Credential Settings	Header Grap	hic URL: http://192.16	8.1.252:8180/graphics/lun	a-NVA2-9-NA.jpg
<ul> <li>Extended Collection Properties</li> <li>IP Ranges</li> </ul>	Home Graphi	c URL: http://192.16	3.1.252:8180/graphics/lun	a-NVA2-9-NA.jpg
🛏 🏣 Server Maintenance Mode	Theme:	default		
	<u>i</u>	🗌 Use as D	efault	
		Save	Cancel	

Extended Collection Properties will allow you to do the following:

• Set the Media Group that is used for your Featured Media on your Collections Page.



- Redefine the collection's Introduction Text (this text is automatically pulled from your Insight Collection and may not need to be updated).
- Change the Header Graphic URL. This Graphic must be exactly 754 x 65 pixels and be available from any browser accessing the collection.
- Define the Home Graphic (NOT used at this time do not populate).
- Indicate what theme will be used by your collection. At the time of this release, only "default" is available. In the future other themes that will define the entire color scheme of the application will be available to set. If you would like to participate in defining Themes, please contact Luna's support department support@lunaimaging.com.

#### **Defaults for Multi Collection Access**

Collection ID -1 is the default used for any user accessing more than one collection.

📒 Control Panel - Main	
Control Panel - Main Console Root User Managers Collection Managers LUNA Managers LUNA Managers Collection Managers LUNA Managers Collection Managers Collections Collections Collection Managers Collections Collection Managers Collections Collection Managers Collection Managers Collecti	Collection ID       Default Media Group       Header Graphic URL       Home         NVA2~9~9       0       1       1       1         Image: Same       1       1       1       1       1         Image: Same       Cancel       Image: Same       Cancel

This is a very important graphic and will be used to give identity to your institution. Many times default access will be to more than one collection and you will want to have your institution's identity defined here.

# **Application Configuration**

Application Configuration allows you to set various characteristics of LUNA.

📒 Control Panel - Main				
🚞 Console Root	Attribute	Value		
🗄 з User Managers	publishContentEnabled	true		
🕀 📕 Collection Managers	maintenanceGuid	12345		
占 🗾 LUNA Managers	dcpw0	LUNA-JOAZINDR		
🗄 🔂 localhost - LUNA Server (admin)	dcid0	DALTON		
– 🚞 Admin Accounts	registrationEnabled	true		
— 🚞 Application Configuration	lunaServerAddress	192.168.1.100		
– 🚞 Users	adsEnabled	false		
– 🚞 Media Collections	lunaServerPort	8180		
– 🦳 Credentials	ssiEnabled	false		
- Credential Settings	requestPublicContentEn	true		
Extended Collection Properties	publicContentORLU	http://lunacommunitycommons.lunaimagin		
– 📄 IP Ranges				
- Server Maintenance Mode	Eult Application Com			
	Ottribute: registrationE	nabled		
	Value: true			
	Earn	Consol		
	Save	Cancer		

During the installation process these settings were defined. If you need to make modifications to any of these properties, be aware that it will affect how LUNA functions. If you are unsure of what a particular setting is for, do not change it without first contacting Luna support for an explanation of the setting.

Making any change most likely will require the application to be restarted.

### Maintenance Mode

On occasion you will want to put the application into a maintenance mode.

E Control Panel - Main	
Console Root     Console Root     Console Root     Console Root     Console Root     Console Root     Console Root     Console Root     Console Root     Console Root     Console Root     Console Root      Console Root	
LUNA Managers     LUNA Managers     Iocalhost - LUNA Server (admin)     Admin Accounts     Application Configuration     Sers     Media Collections	
<ul> <li>         Credentials         Credential Settings         Extended Collection Properties         IP Ranges         Server Maintenance Mode         </li> </ul>	Maintanence Mode

Maintenance Mode can also be used to reload User and Credential Settings. To trigger Maintenance Mode send one request, then send a second to take the system out of Maintenance Mode and reload your settings.

# Admin Accounts

Used to control access to the Admin Tools console.



Like in User Manager and Collection Manager sections of the Administrator Tools, The LUNA Manager also has Admin Accounts. These accounts grant access to the Admin Tools. Server Admin Permissions grants access to perform actions in the Admin Tools. Account Admin Permissions grants access to create and manage Admin Accounts.

# Virtual Collections in LUNA

# Introduction

This section describes how to prepare your system to support Insight Virtual Collections in LUNA.

You will need to update your Insight Collection database by running a script that changes a Primary Key on the IRGROUPS table of your Insight Collection Manager database.

You will then need to use the Administrator Tools (6.0.1+) to prepare the virtual collection for LUNA as described in this section.

Once you have completed this preparation, you can publish your virtual collections the same way you publish other collections to LUNA.

# Updating your Insight Database

Warning!!! Before making any database changes, always backup your current database.

The first step is to change the Primary key of the IRGROUPS table in the Insight database that contains your virtual collection.

There are two ways you can do this.

- If you are familiar with how to change primary keys in your database, you can change the Primary Key on the table IRGROUPS from (GROUPID) to (UNIQUECOLLECTIONID,GROUPID,VCID)
- 2. Use one of following database scripts links to update your IRGROUPS table
  - o For MySQL
  - o For <u>MSSQL</u>
  - o For <u>Oracle</u>

# Preparing your Virtual Collection with the Administrator Tools

Using your Administrator tools (6.0.1+) open your collection configuration panel for the Virtual Collection you would like to make available in LUNA. Scroll to the bottom of the panel. You will see a button that says "**Prepare Collection Configuration for LUNA**". Select this button. (This button will only show for virtual collections)

🚞 Console Root	Institution ID	Collection ID		VC ID	Collection Name
🔃 з User Managers	Daltonicm	1	NA		Visual Resource Collection 1
🕂 📕 Collection Managers	Daltonicm	1	VC_	Public_Dalton_Archive	Public Dalton Archive 1
🗗 🔂 Dalton Collection Manager (admin)					
E- Catalog Templates	🚞 Public Dalton	Archive			
<ul> <li>Collection Settings</li> <li>Public Dalton Archive</li> </ul>	Drag	Speed Coeffici	ent:	2	
– 🚞 Collection Configuration – 🚞 User Groups		Help Gro	oup:	m/support/5_5/insight/en	/index.html
– 🚞 Media Groups – 🦳 Tables		Help Ima	nge:	m/support/5_5/insight/en	/index.html
	Simu	Itaneous IW Loa	nds:	2	
– 🦲 Multi-Page Documents – 🦳 Approval Levels	Simul	taneous GW Loa	nds:	5	
⊢ 🗀 Measurement Tool ⊕ 🗁 Collection Editor	Wel	o Initiated JVA U	RL:	erInsight/BrowserInsight'	?cmd=start
Visual Resource Collection     Server Settings	Web Initiated J	/A HTML Templa	ate:	id(0);">[open in Insight&#	8482;]
LUNA Managers	Thumbn	ail Cache Profile	e ID:	1	
		Fast Scal	ing:		
		Language Co	oae:	en	
		Country Co	ode:	US	
	Force colle	ction name disp	lay:		
				Edit Visual Attril	butes
				Edit Browser Attr	ibutes
				Prepare Collection (	Configuration for LUNA
			Sa	ve Cancel	

Once you have selected the **Prepare Collection Configuration for LUNA** button, you will need to set a New Institution ID for the collection. Make sure this is different than the Source Institution ID.

🛅 Public Dalton Archive - New Institution ID for VC				
To make this Virtual Collection available as a LUNA Collection, the Collection Configuration needs to be duplicated and you need a New Institution ID. This Institution ID must not be the same as the Source Institution ID. When you click 'Save', your Collection Configuration will be duplicated with the New Institution ID.				
New Instituion ID:				
	Save Cancel			

As described in the previous panel, your collection entry will be duplicated and you will now have two entries for your Virtual collection. The original and now the new one with the New Institution ID and the VC ID of NA.

Institution ID	Collection ID	VC ID	Collection Name
Daltonicm	1	NA	Visual Resource Collection
DALTONVC	1	NA	Public Dalton Archive
Daltonicm	1	VC_Public_Dalton_Archive	Public Dalton Archive

Next you will need add an additional Collection entry to the User Manager to access the Virtual collection in LUNA.

Under the Collections section of the User Manager, create a new entry and fill in Collection Name, Collection ID, your new Institution ID Server Address and port number. Then save your Collection entry.

🕂 🛫 Liser Managers	DUDD DEBER AND A	Ration
🗄 📴 Dalton User Manager (admin)	🗎 Edit Collection -	
– 🚞 Admin Accounts	Collection Name:	Public Dalton Archive
– 🛄 Users – 🦳 User Groups	Collection ID:	1
Collections	Browser Unique CID:	
- Collections	Institution ID:	DALTONVC
다. E. Collection Managers	Address:	www.dalton.edu
Catalog Templates	Port:	3270
<ul> <li>⊕ Collection Settings</li> <li>⊕ Server Settings</li> </ul>	Locale:	en_US - English United States 🔹 🗸
LUNA Managers	Тупо	
	турс.	
	Enable Collection Management	
	🗌 Virtual - Virtual Collection ID:	NA
	Available Virtual Collection Constitu	uents: Virtual Collection Constituents:
	Public Dalton Archive	
	Visual Resource Collection	
	David Runisey historical Map	
	s	ave Cancel

Next you will need to give a Studio privileged user access to this collection. For instructions on this, follow the "Granting Access to Insight Studio" in the "User's Guide to Basic Collection Building".

Once a user has access to this virtual collection in Studio, they can Publish the collection into LUNA just like any non-virtual collection.