

NBIA 5.1 Properties

Information on this page is based on [install.properties](#).

Application Settings

Property Name	Description	example
application.base.path.linux	Location where user is installing software on Linux	\$(user.home)/apps/nbia
application.base.path.window	Location where user is installing software on Window	c:/apps/nbia
authentication.type	CSM authentication type, the value should be "db" or "ldap"	db

Web Application JBoss container Properties

Property Name	Description	example
jboss.web.password	Set to a secure password to be used to secure the NBIA JBoss server's administrative functions (e.g, admin console, JMX console, command-line shutdown of JBoss server, etc.)	<i>S0meth!ngSecurE</i>

NBIA Application Properties

Property Name	Description	Example
gov.nih.nci.ncia.imaging.server.url	Publicly visible URL for the JBoss container hosting NBIA. This URL should contain the proxy name instead of the host name if there is a proxy. If this property is not configured properly, then thumbnails images may not appear in the web application search results.	http://localhost:45210
gov.nih.nci.ncia.zip.location	Location to place zipped files created by the NBIA web application for download.	/data/ncia_data/ncia_ftp
gov.nih.nci.ncia.ftp.location	Location to place files for download through an external FTP server.	/data/ncia_data/ncia_ftp
gov.nih.nci.ncia.grid.local.node.name	If remote search is enabled, this is the name that will be used in the search form to search THIS node. There is a separate property that governs the name of this node but as viewed from other instances of NBIA. It is likely that these two properties should agree, but it isn't mandatory. See: grid.poc.tech.researchCenter.displayName	NCI-1
gov.nih.nci.ncia.ui.uid.display.length	Determines the max character length of data representation in the UI tier	100
gov.nih.nci.ncia.ftp.url	FTP server URL used for informing users about where to download the larger size files	localhost
gov.nih.nci.ncia.jboss.mq.url	The value of this property should ALWAYS be "localhost:<port>" where <port> have the exact same value as \$(jboss.server.jndi.port). If this is not configured properly the zipping of DICOM image files for download will not work properly.	localhost:45200 (port is the JBoss JNDI port)
gov.nih.nci.ncia.installationSite	This property determines whether the installation is at ncicb or somewhere else (other). This governs certain aspects of the UI such as where the link to reset a password will point to.	ncicb, other
gov.nih.nci.ncia.admin.email	The email address of the user administrator	admin@university.edu

enabled_guest_account	Whether or not public search will be enabled for this instance.	yes or no
guest_username	<p>If enabled_guest_account=yes then this is the name of the CSM user that will be blessed as the user for all public searches.</p> <p>This user should likely only be provisioned to be associated with PUBLIC protection elements.</p>	nbia_guest
gov.nih.nci.ncia.download.server.url	<p>This is the URL that the Download Manager will use to retrieve DICOM images from.</p> <p>This should typically be the same host and port of the JBoss server.</p> <p>The webapp context and file path should always be the same unless deployment has been customized.</p>	[http://localhost:45210/nbia-download/servlet/DownloadServlet]
enable_classic_download	<p>If this is set to no, then only the WebStart based Download Manager will be available to all users.</p> <p>If this is set to yes, then the "classic" download feature will still be available that allows downloading zip files of DICOM images through HTTP and/or HTTPS</p>	yes or no
local.grid.uri	<p>For a given installation, this is the URL to the grid service FOR THAT INSTALLATION itself.</p> <p>If this is not set properly, and remote search is enabled, then the local node will appear twice in the list of searchable nodes.</p> <p>Once for the "local" search, and additionally for its grid interface (if it is registered with the index service).</p>	http://imaging.company.com:45210/wsrf/services/cagrid/NBIAService
show.collection.search.criteria	<p>If set to false, the collection criteria selection control will not appear in the classic search UI.</p> <p>This should only be set to false if a given instance of NBIA has, and only will ever have, only one collection/project to search through.</p>	true or false
discover.remote.nodes	<p>If set to false, the NBIA web application will not attempt to discover other instances of NBIA to search through the caGrid Index Service.</p> <p>In other words, no remote nodes will appear at the top of the classic search page if this is set to false.</p> <p>gov.nih.nci.ncia.download.no.retry</p>	true or false
gov.nih.nci.ncia.download.no.retry	Maximum Number of retry to download images for Download Manager	4

Database Settings

Property Name	Description	
database.type	This value specifies whether a MySQL or an Oracle database is being used.	oracle, mysql
database.server	<p>This value must correspond to the domain name of machine that hosts the Oracle/MySQL database server.</p> <p>Talk to your database administrator to learn the server name and port.</p>	remotehost.org
database.port	<p>This value must correspond to the port for the database.server.</p> <p>3306 is the default port, but check with your database administrator to be certain.</p>	3306
database.name	Choose a name for the NCIA MySQL database. This must be different than the UPT database name	nciadb
database.user	Give the username to access database.name.	nciaop
database.password	Use a password to access database.name for the username identified in database.user	<i>SomethingSecure</i>

database.system.user	<p>The username for an administrator of this database.</p> <p>This value should correspond to a MySQL username that has full system privileges.</p> <p>This must correspond to the administrator account defined when MySQL was configured. For Oracle, this value will be ignored, but the value must be different than the value of database.user.</p> <p>Depending on how the install is done, or the value of database.re-create this may not be necessary. If re-create=true, then this is necessary, otherwise it isn't.</p>	root
database.system.password	<p>The password for an administrator of this database that correlates with the value in database.system.user.</p> <p>For Oracle, this value will be ignored.</p> <p>Depending on how the install is done, or the value of database.re-create this may not be necessary. If re-create=true, then this is necessary, otherwise it isn't.</p>	<i>SOmeth! ngSecurE</i>
database.re-create database.drop-schema	<p>One of these properties must be set to true.</p> <p>If re-create is true then the install:database target will wipe out the database instance completely and start from scratch.</p> <p>If drop-schema is true, then all the schema and data will be wiped out but the database itself will not be removed.</p>	true or false

Global Settings

Property Name	Description	Example
mail.smtp.server	Location of mail server to send emails for application to forward emails to users, notify users of the location of the download files	mail.university.edu

LDAP Settings

Property Name	Description	Example
ldap.url	URL for LDAP server	ldaps://university.edu:636
ldap.basedn		u=nci,o=nih

Grid Service Contact Information

Property Name	Description	Example
grid.poc.tech.researchCenter.displayName	<p>Name of the Research Center</p> <p>This name is used by remote search.</p> <p>This name will be show in the list of searchable NBIA nodes on the search form.</p>	Cancer Research Center
grid.poc.tech.researchCenter.shortname	Shortened Name of Research center	CRC
grid.poc.tech.addr.street1	Street Address	1234 Main Street
grid.poc.tech.addr.street2	Additional Street Address Information	Suite 2000
grid.poc.tech.addr.locality	TBD	Fairfax
grid.poc.tech.addr.stateProvince	State or Province	VA
grid.poc.tech.addr.postalCode	Zip/Postal Code	22033
grid.poc.tech.addr.country	Country where Research Center is located	USA
grid.poc.tech.affiliation	TBD	Mr.

grid.poc.tech.name.last	Last Name of Technical POC	Henry
grid.poc.tech.name.first	First Name of Technical POC	Patrick
grid.poc.tech.phone	Phone Number of Technical POC	703-555-1212
grid.poc.tech.email	Email for Technical POC	user@email.com
grid.poc.tech.role	Role of Technical POC	Network Administrator
grid.poc.science.affiliation	TBD	Mr.
grid.poc.science.name.last	Last Name of Science POC	Jefferson
grid.poc.science.name.first	First Name of Science POC	Thomas
grid.poc.science.phone	Phone Number of Science POC	703-555-1212
grid.poc.science.email	Email for Science POC	user@email.com
grid.poc.science.role	Role of Science POC	Biologist

Grid Server/Container Settings

Property	Description	Example
grid.index.url	<p>This is the URL to the index service that the NBIA grid service will register itself with.</p> <p>Additionally, the remote search feature will look for other instances of NBIA at this index service.</p> <p>If NBIA being setup for experimental purpose, it is more appropriate to register with the staging index service (cagrid-index-stage).</p>	http://cagrid-index.nci.nih.gov:8080/wsrf/services/DefaultIndexService
grid.target	The target grid for the grid service. This will affect which servers SyncGTS will run against.	nci_stage-1.3 or nci_prod-1.3
ncia-core-grid.jboss.*	<p>All of these properties mirror jboss.* except that they apply to a different JBoss container.</p> <p>This JBoss container houses the NBIA grid service.</p>	server.edu
ncia-core-grid.tempZipLocation	This should be a directory with enough disk space such that the grid service can write sizeable zip files temporarily.	c:/temp
ncia-core-grid.jboss.external.http.host	If installing the grid service in a proxy configuration, then this is the hostname of the proxy.	imaging.nci.nih.gov
ncia-core-grid.jboss.external.http.port	<p>If installing the grid service in a proxy configuration, then this is the port that the connection goes through on the proxy.</p> <p>For example, if Apache is acting as a proxy, then a typical proxy port would be 80.</p>	80
ncia-core-grid.jboss.thumbnailUrl	<p>This is the URL to the servlet whereby the thumbnails for images available through remote search can be obtained.</p> <p>The host and port of this URL must match the JBoss public URL for the web application (gov.nih.nci.ncia.jboss.public.url)</p> <p>The context and servlet name should likely stay as ncia/publicThumbnails unless the deployment has been customized.</p>	http://localhost:45210/ncia/publicThumbnails
ncia-core-grid.jboss.http.connector.remove	Whether or not to remove the HTTP connector in the server.xml for JBoss /Tomcat.	true/false
ncia-core-grid.jboss.grid.secure.port	The actual port the secure HTTPS connector will run on for the grid service.	21443
ncia-core-grid.jboss.grid.secure.cert.location	The absolute path to the host public certificate.	~username/.cagrid/certificates/HOSTNAME-cert.pem
ncia-core-grid.jboss.grid.secure.enable	Whether or not to secure the grid container.	true/false

ncia-core-grid.jboss.grid.secure.key.location	The absolute path to the host private key.	~username/.cagrid/certificates/HOSTNAME-key.pem
ncia-core-grid.anonymous.permitted	Whether or not to allow anonymous access to secure methods of the service. This will allow the public data filter to still be used.	true/false
ncia-core-grid.jboss.external.grid.secure.host	In a proxy situation, this allows setting the external host name for the service.	imaging.nci.nih.gov
ncia-core-grid.jboss.external.grid.secure.port	In a proxy situation, this allows setting the external port for the service.	443

CTP Settings

Property Name	Description	Example
ctp.server.port	The port that the CTP administration console will run on.	23080
ctp.server.http_import_service.port	The port that CTP will accept submissions on. This port should be configured as the port to export to in the CTP client configuration.	23104
ctp.server.storage_service.port	The port that CTP storage service administration console will run on.	23204
ctp.server.admin.password	The password for the CTP server administrator.	<i>S0meth!ngSecurE</i>
ctp.server.king.password	The password for the CTP server super administrator who has privilege to shutdown the server	<i>S0meth!ngSecurE</i>
ctp.server.storage_service.root	The directory where the CTP will store submitted files.	storage/root
ctp.server.storage_service.index	The directory where the CTP will store the index for submitted files. This directory must be the direct parent of ctp.storage_service.root.	storage
ctp.server.require_authentication	Whether or not the authentication is required for data submission (HttpImportService)	yes or no
ctp.client.port	The port that the CTP administration console will run on (for the client).	password
ctp.client.http_import_service.port	The port that CTP will accept submissions on. This port should be configured as the port to send to in the FileSender.	24104
ctp.client.dicom_import_service.port	The port that CTP will accept submissions on. This port should be configured as the port to send to in the FileSender.	24304
ctp.client.export_service.port	The port that CTP will export submissions to (to the server). This should match up with the import service port on the server side.	23080
ctp.client.admin.password	The password for the CTP client administrator.	<i>S0meth!ngSecurE</i>
ctp.server.admin.password	The password for the CTP client super administrator who has privilege to shutdown the server	<i>S0meth!ngSecurE</i>
ctp.server.verifier.port	The port that CTP will listen for verification requests on. Verification requests are queries to the (NBIA) database adapter to confirm that a given image was submitted successfully.	

Branding Settings

Note: for an explanation on constructing the XHTML that is referenced by these properties, see <https://wiki.nci.nih.gov/x/SoZXAg>

Property Name	Description	Example
cancer.center.logo	The file path and name for branding logo. (Suggest logo size: 300x20)	c:/temp/logo.jpg
cancer.center.background	The file path and name for branding logo background.	c:/temp/logo_background.jpg

branding.welcome.title.path	The file path and name for XHTML file to use for welcome title in center of welcome and home pages. If not set or if the value is blank, the default welcome title will be used.	c:/temp/welcome_title.xhtml
branding.welcome.text.path	The file path and name for XHTML file to use for welcome text in center of welcome page. If not set or if the value is blank, the default welcome text will be used.	c:/temp/welcome_text.xhtml
branding.welcome.image.path	The file path and name for an image file to be used as the banner image on the welcome page. This image can be a JPG, GIF or PNG and should be roughly 600x140. If not set or if the value is blank, the default welcome banner will be used.	c:/temp/some_image.png
branding.left.submenu.quicklinks.path	The file path and name for XHTML file to use for Quick Links in the left submenu. If not set or if the value is blank, the default Quick Links will be used.	c:/temp/quick_links.xhtml
branding.applogo.visible	This controls whether the an application logo will be displayed on every page under institution logo. If not set, the default NBIA app logo will be used.	yes or no
branding.applogo.path	If branding.applogo.visible=yes, this property becomes relevant. This is the file path and name for an image file to be used as the application logo image at the top of all pages. This image can be a JPG, GIF or PNG and should be roughly 500x20. If not set or if the value is blank, the default NBIA app logo will be used.	c:/temp/some_image.png
branding.footer.path	The file path and name for XHTML file to use for the footer on every page. If not set or if the value is blank, the default footer will be used.	c:/temp/footer.xhtml

Download Manager Digital Signature Settings

Property Name	Description	Example
jar-signing.keystore.location	The location of the keystore to find a key to sign the download manager jars with. If (file://\lf) generate-selfsigned is set to true, then this location will be where the installation process CREATES the keystore. Otherwise (file://\Otherwise), the keystore should already exist at this location.	c:/keystores/nbia_keystore
jar-signing.keystore.password	The password for the keystore pointed to by keystore.location. If (file://\lf) generate-selfsigned is set to true, then this password will be set when the installation process CREATES the keystore. \ (file://\Otherwise) Otherwise, the password should apply to the existing keystore.	something_secure
jar-signing.keystore.alias	The alias for the key to use when signing the download manager jars. If (file://\lf) generate-selfsigned is set to true, then this alias will be set when the installation process CREATES the key and keystore. Otherwise (file://\Otherwise), the alias should exist in the existing keystore.	alias1
jar-signing.execution.time	Whether to sign the jars at build time or install time. If not at NCICB, this value should always be install.	build or install
jar-signing.generate-selfsigned	If set to true, the install process will generate a self-signed certificate to sign the jars with. If (file://\lf) false, there must be an existing certificate to use when signing.	true or false

Cedara Settings

Property Name	Description	Example
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gov.nih.nci.ncia.jboss. public.url	The URL for the NBIA web application. This URL should contain the proxy name instead of the host name if there is a proxy. (Only relevant to Cedara). \\\Note: this must end in a forward slash.	http://localhost:45210/ncia/
gov.nih.nci.ncia.mapped. image.path.head	Mapped image file path in IGS machine. (Only relevant to Cedara).	\\\\fs592 nciaimages
gov.nih.nci.ncia.image. path.pattern	Pattern of the image file path. (Only relevant to Cedara).	NCICBIMAGE /documents/
gov.nih.nci.ncia.frontier. http.address	Cedara ISG server address (Only relevant to Cedara)	localhost