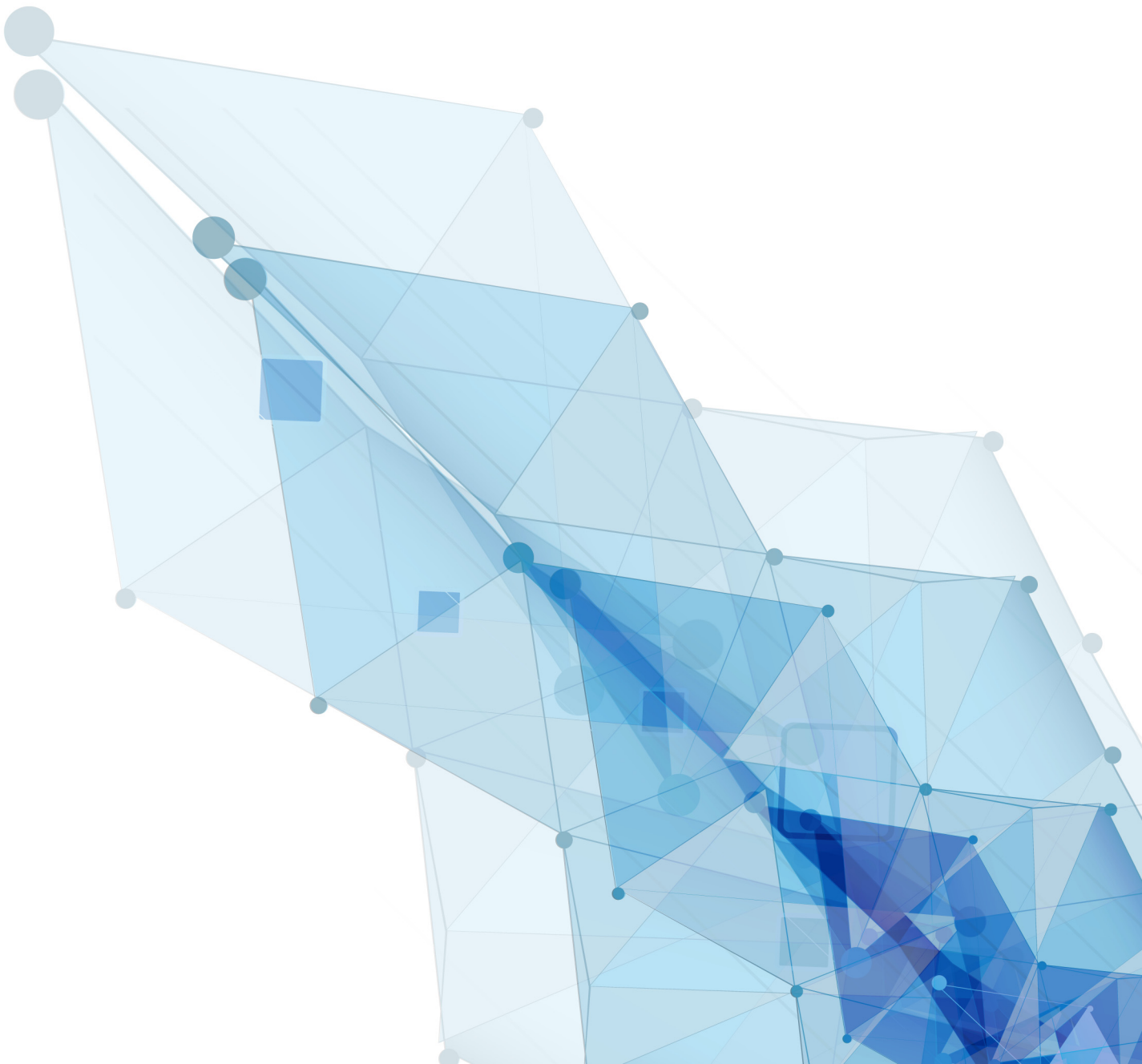


ApplicationInsights™

Setup Guide





SETUP GUIDE

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Welcome to panagenda ApplicationInsights!



This guide will help you to set up panagenda ApplicationInsights.

About ApplicationInsights

panagenda ApplicationInsights (also referred to as “AI” in this document) is delivered as a virtual appliance that provides continuous and detailed information on IBM Notes / Domino application usage and design in the form of easily understandable graphs and visualizations. It offers reports on design complexity of applications and gives insights into the application landscape for optimization, migration, modernization and transformation purposes. panagenda ApplicationInsights offers administrators, developers and management the means to plan, manage execute and monitor a Domino application modernization strategy.

In order to do so, AI provides:

- Environment and inventory overviews
- Insights into usage from IBM Notes Rich clients and browsers
- Usage information per hierarchical department and user for analyzed databases
- Analytics on design and source code complexity
- Detailed „Design Insights” based on source code search patterns
- Design similarity and identification of „Template Candidates”
- Continuous collection of data (overview, usage and design changes)
- The option to define your own custom insights
- Platform wide code searches

System Requirements

Host Software

panagenda ApplicationInsights comes as a virtual appliance including its own operating system based on the popular CentOS Linux distribution. No operating system needs to be prepared for the installation on the virtualization software side.

Virtual appliances are available for:

- **VMWare vSphere - ESXi** (recommended for production)
- **VMWare Workstation** (for evaluation purposes)



For compatibility reasons, our appliances are configured for ESXi 6.0 and Workstation 11. If you run a newer version, we recommend to upgrade the virtual machine hardware version.

- **Microsoft Hyper-V**

The underlying hardware and OS need to have VT-x support enabled (in BIOS). This is mainly relevant in scenarios where Workstation act as host software. Detailed information about operating system requirements can be found on the respective product pages: www.vmware.com/products/

Virtual Hardware

Minimum hardware requirements for production environment:

- Enterprise grade server hardware for all components
- CPU: 4 Cores
- RAM: 8 GB
- Disk: 120 GB

Adapting virtual hardware to the environment size:

Most system requirements scale with the collection period and environment size. CPU is the exception, where the four cores are adequate for most customer sizes.

Baseline Requirements:

Amount of Users	RAM	Disk Space (1 year)
Up to 5k (minimum)	8 GB	120+ GB
Up to 25k	16 GB	200+ GB
Up to 50k	32 GB	250+ GB
Up to 75k	48 GB	300+ GB
100k and above	64 GB	~5+ GB per 1k users

Disk Space per Application:

In addition to the baseline requirements, the appliance requires 75MB of disk space per database.

Partitions and disk growth:

The virtual appliance consists of several partitions for the operating system, applications, log files and the database. The database partition `/opt/panagenda/pgdata` is the only one where usage will continuously increase over time.

The application partition `/opt/panagenda/appdata` will fill quickly during the initial design collection, but usage will hardly increase after that phase.

Accordingly, disk space should be assigned as follows:

- `/opt/panagenda/appdata`: 5 MB per database
- `/opt/panagenda/pgdata`: Remainder of the disk space

See <https://www.panagenda.com/kbase/x/ngBwAQ> (Extending Diskspace) or instructions.



Best Practice: Leaving 10-20 GB of disk space unassigned offers a certain amount of flexibility and can help speeding up database recovery times significantly.

Deployment Example: 40k user environment with 10k database instances

- 32GB RAM
- 1 TB disk space: 250 GB (baseline) + 750 GB (10k DBs x 75 MB)
 - Leave 15 GB unassigned
 - Enlarge `/opt/panagenda/appdata` by 50 GB
 - Enlarge `/opt/panagenda/pgdata` by remaining 935 GB

Access and Permissions

IBM Domino Notes:

The following access to the Domino environment is required:

- **Single Notes ID file with access (cross certification) to all servers in scope**
 - Reader access to at least one Domino Directory per Domain
 - Reader access to all servers' log.nsf databases
 - Reader access to all servers' catalog.nsf databases
 - Reader access to all servers' domlog.nsf databases where enabled
 - "Full Remote Console Administrator" access on all servers
 - Designer access to all databases where design should be analyzed



In environments where it is not possible to grant Designer access to the uploaded Notes ID file on all focus databases, the administrator can choose to give this ID Full Administration Access per Domino server (via server document). ApplicationInsights will use this access method by default if available.

Domino server requirements:

- Statlog task scheduled on all servers
- Catalog task scheduled on all servers
- INI entry LOG_DISABLE_SESSION_INFO must not be set to 1
- "Domlog.nsf" enabled and "Access log format" set to "Extended Common" (names.nsf > Server Document > Internet Protocols... > HTTP)
MIME types "image/*", "text/css" and "text/javascript" can be excluded

Network (Firewall/Ports):

Connections to and from the appliance need to be allowed for the following services:

Outbound (originating in virtual appliance):

- Notes **RPC** to Domino servers for data collection (TCP 1352)
- **HTTP/HTTPS** to Domino servers for data collection (TCP 80/443)

Inbound (accessing virtual appliance):

- **HTTP/HTTPS** for configuration and reports (TCP 80/443)
- **SSH** for system configuration and application tuning (TCP 22)
- **VNC** for system configuration and Notes client access (TCP 5901)
- Optional: PostgreSQL for data warehouse access where enabled (TCP 5432)
- Optional: Docker Management UI Portainer (TCP 9000)

It is recommended that the ApplicationInsights owner has access to the console of the virtual machine (e.g. via vSphere client).

Internet access for the appliance is not mandatory, but it is recommended to grant at least proxy access to *.panagenda.com and your defined CentOS repository for security and application updates.



ApplicationInsights requires the following network segments for internal communication:

- 172.17.0.1/16
- 172.18.0.1/16.

*These two IP address ranges **MUST NOT** be routable in your production network!
Please see <https://www.panagenda.com/kbase/x/nZDo> if they are routable.*

Client System Requirements

Hardware, Operating System and Software Requirements:

The panagenda ApplicationInsights web interface is based on HTML5 and therefore accessible on any **HTML5 capable device**.

- We recommend the following browsers in latest **64-bit** versions: **Chrome** and **Firefox**

Browser Security and Network Access:

No special web browser security settings are required to run the panagenda ApplicationInsights web interface.

To access the ApplicationInsights web interface, you need to have access to the panagenda ApplicationInsights appliance via TCP/IP, Port 80 (HTTP) and Port 443 (HTTPS).

ApplicationInsights Appliance Details

panagenda ApplicationInsights is developed as a virtual appliance:

The panagenda ApplicationInsights Virtual Image

- **CentOS 7.3**

panagenda ApplicationInsights is based on the very popular CentOS Linux distribution, which is based on the source code of Red Hat Enterprise Linux (RHEL). CentOS 7 was chosen because of its stability and its long time support (Maintenance until June 2024). It uses a current kernel version (3.10.x) for virtual systems. Only security patches are configured for automatic update via the YUM (yellowdog updater modified).

- **Docker 17 CE**

- **Docker Compose 1.11**

- **Tomcat 8 Application Server**

- **NodeJS 6 Application Server**

- **Nginx 1.11 Reverse Proxy Server**

- **Java 8 Virtual Machine**

- **PostgreSQL 9.6 Relational Database Server**

- **A sub-set of Domino 9.0.1 Linux 64 Bit binaries**
(Domino server will not be started)

GETTING STARTED

ApplicationInsights Setup Files

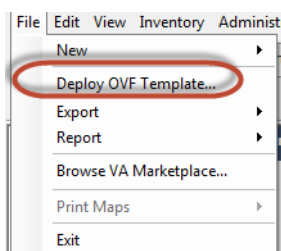
There are two options to get the virtual appliance image and license file for ApplicationInsights:

1. Customers with active **IBM Domino maintenance** (S&S) - including Domino Express offerings - have access to a **special IBM Entitlement License**. Please see this tech note for further information and download instructions: <https://ibm.co/2plriSL>
2. All other customers, please contact sales@panagenda.com for a trial version. In order to create the ApplicationInsights license, we need the following information:
 - Your **Company Name**
 - **Text Certifier(s)** of the servers you wish to analyze, e.g. /O=panagenda or /O=ACME/C=XX
 - **Number of users and servers** of the environment you wish to analyze

Launching ApplicationInsights using virtualization software

Recommended: VMWare vSphere/ESX via OVA

Open VMWare ESX, ESXi or vSphere and select:



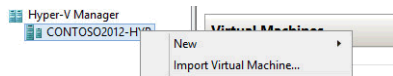
The Deploy OVF Template dialog will open:

1. **Source:** Specify the location where you saved the ApplicationInsights OVA file on your hard drive – for example: *C:/Temp/panagenda_ApplicationInsights.ova*
2. **OVF Template Details:** In this step you can inform yourself about the ApplicationInsights version you are about to deploy. When you are done, just click on Next

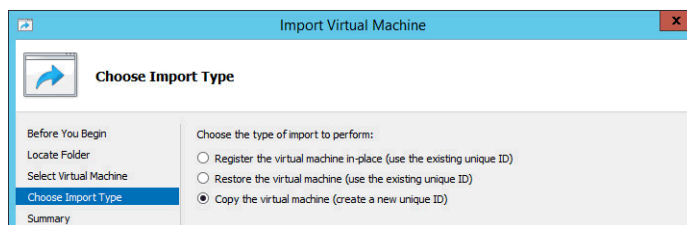
3. **Name and Location:** Is the next relevant step for deploying ApplicationInsights. We recommend to name this template “**panagenda ApplicationInsights**”
4. **Storage:** Then you have to select a destination storage for the virtual machine files.
5. **Disk Format:** In this step, please select the storage format for the virtual disks. We recommend to choose “Thick Provision Eager Zeroed”
6. **Network Mapping:** Then select the network the deployed ApplicationInsights template should use.
7. **Ready to Complete:** In the final step you are shown the options you set up. Click on Finish if you are satisfied with your setting to start the deployment task.

Alternative: Microsoft Hyper-V

- Extract the file **panagenda_Applicationinsights_HyperV.exe**
- Start Hyper-V Manager
- Right-click on your server and select “Import Virtual Machine” from the context menu

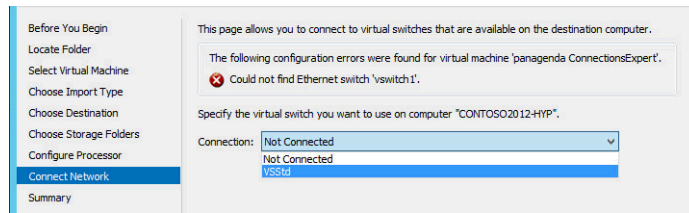


- Click **Next** on “Before you Begin” screen
- Select the folder that contains the extracted files and click **Next**
- Select the ApplicationInsights image
- Select “Copy the virtual machine (create a new unique ID)”



- Click **Next** in the “Choose Destination” screen, unless you want to set the folders individually
- Select the folder where you want to store the virtual hard disk

- Click **Next** into the “Configure Processor” step – please don’t change the processor settings
- Specify a network connection



Select **Finish** on the summary screen to start the copy

Alternative: VMWare Workstation/Player via VMX

- Start VMWare Workstation
- Open Virtual Machine
- Select the file **panagenda_ApplicationInsights.ova**

Starting the Virtual Appliance



For VMWare products, we recommend raising the hardware version of the virtual machine according to your environment.

Further information: <https://kb.vmware.com/s/article/1010675>

Welcome Screen and IP Address

After starting up the appliance for the first time, you should be presented with a panagenda ApplicationInsights welcome screen. If your network has a public DHCP server available, the system might already have acquired an IP address and will display the URL. **Use the shown IP address (interface URL) in your web browser to connect to the panagenda ApplicationInsights web interface.** If DHCP is not available within your network or the panagenda ApplicationInsights appliance did not acquire any IP address, you have to configure the panagenda ApplicationInsights appliance network settings (see "Network Settings:" on page 16).

```
-----  
Welcome to panagenda ApplicationInsights  
-----  
Please review the 'Setup Guide'!  
IP Address: 192.168.111.134  
-----  
localhost login:
```

Appliance Login

ApplicationInsights provides a console and a graphical user interface in order to configure operating system level settings like network, time and time zone settings.

Default login information:

user "root" with password "config"

Changing default credentials:



Default credentials are supplied for setup and initial configuration. It is not recommended to keep using them after the appliance has been set up.

We strongly suggest changing the default credentials for these components:

- Linux user "root" (using the "passwd" command)
- VNC server (<https://www.panagenda.com/kbase/x/uQBwAQ>)
- Web user "config" (<https://www.panagenda.com/kbase/x/WABwAQ>)

Console

After login, basic information, such as disk space, system time and IP address, are shown:

```
-----
Welcome to panagenda ApplicationInsights
Please review the 'Setup Guide'!
IP Address: 192.168.111.134
-----

localhost login: root
Password:
Last login: Wed Mar 15 09:51:56 from toth.panagenda.local

-----
Welcome to panagenda ApplicationInsights
Please review the 'Setup Guide'!
Execute 'uncserver' to access GUI using 192.168.111.134:5901

Services running:
portainer          Exited (2) 2 days ago

System is up since 46 minutes

System time is Wed Mar 15 10:23:54 CET 2017

Diskspace available:
18% 14G /
1% 60G /opt/panagenda/pgdata
1% 5.0G /opt/panagenda/logs
1% 30G /opt/panagenda/appdata
```

Graphical User Interface

There are two ways to use the GUI to configure your ApplicationInsights appliance:

1 Local

In order to start the GUI locally, enter the command **"startx"**

To start the GUI automatically when ApplicationInsights is booted, please enter the following command: **"systemctl set-default graphical.target"**

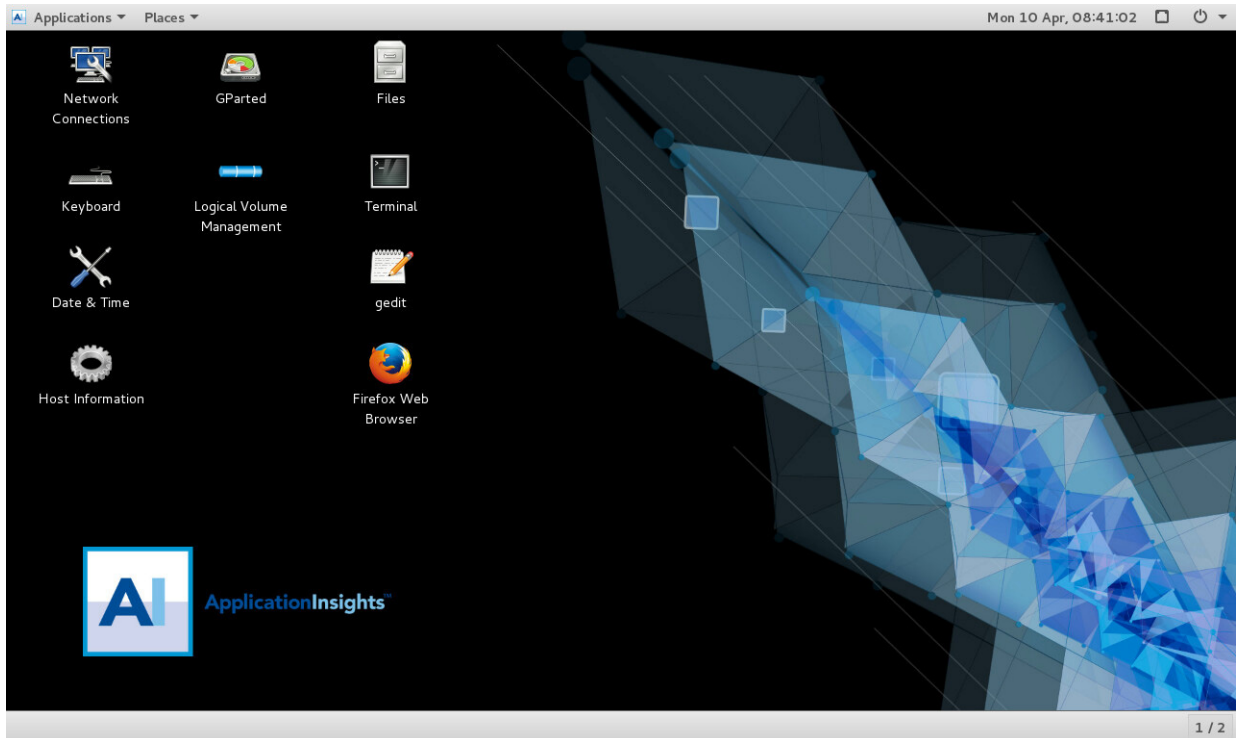
2 Remote Access via VNC



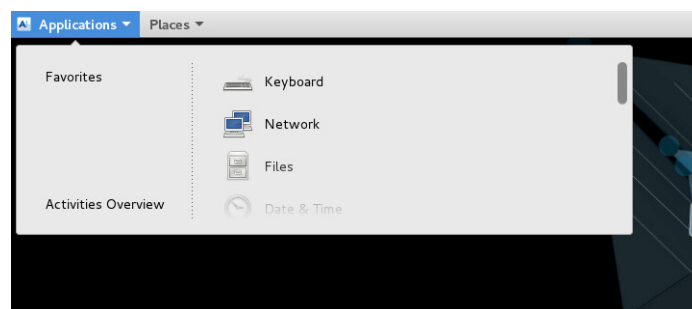
Please note that remote VNC access is only possible if the ApplicationInsights appliance received an IP address via DHCP.

Please refer to <https://www.panagenda.com/kbase/x/uQBwAQ> (Remote Appliance Access) for more details on VNC access.

GUI Basics



The Applications menu provides access to all required applications:



You can access all required applications by using the desktop icons, too.

To check an established internet connection, a **web browser** (Mozilla Firefox) is available on the panagenda ApplicationInsights appliance.

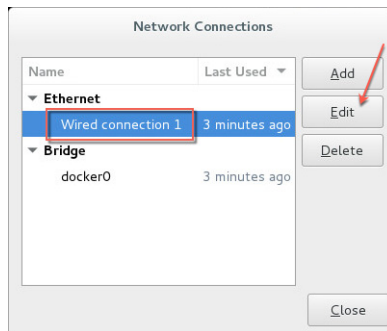
You can use the **terminal window** to check if your TCP/IP connection is established, using Linux *ping* and *ifconfig* command. For more information about *ping* and *ifconfig* commands, type *man ping* or *man ifconfig* in the terminal console window.

panagenda ApplicationInsights log files can be found within the `/opt/panagenda/logs` directory. The main log file (`idna/idna.log`) holds essential information about panagenda ApplicationInsights runtime behavior. Use the **Files** application to navigate to these log files.

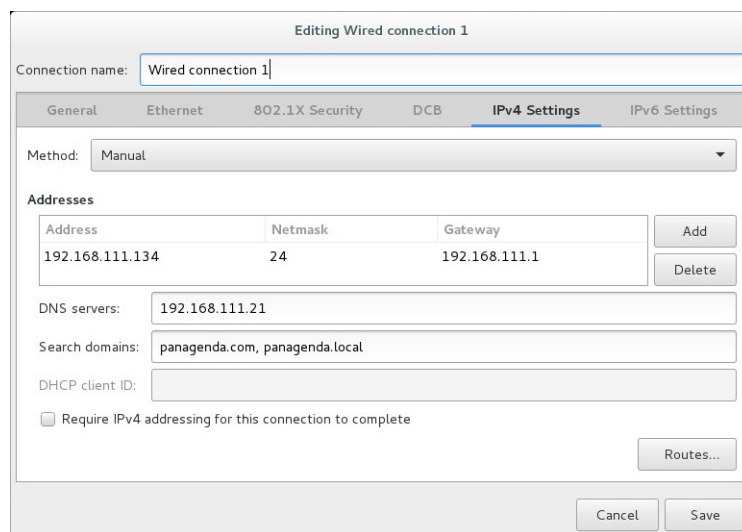
To check the panagenda ApplicationInsights appliances system behavior, you can use the installed **system monitor**.

Network Settings:

To change the IP address and DNS configuration please click on the **Network** icon. Select the *Ethernet* connection and click on *Edit*:



Go to the IPv4 Settings tab and select *Manual* from the *Method* drop down menu to configure the network settings as required:

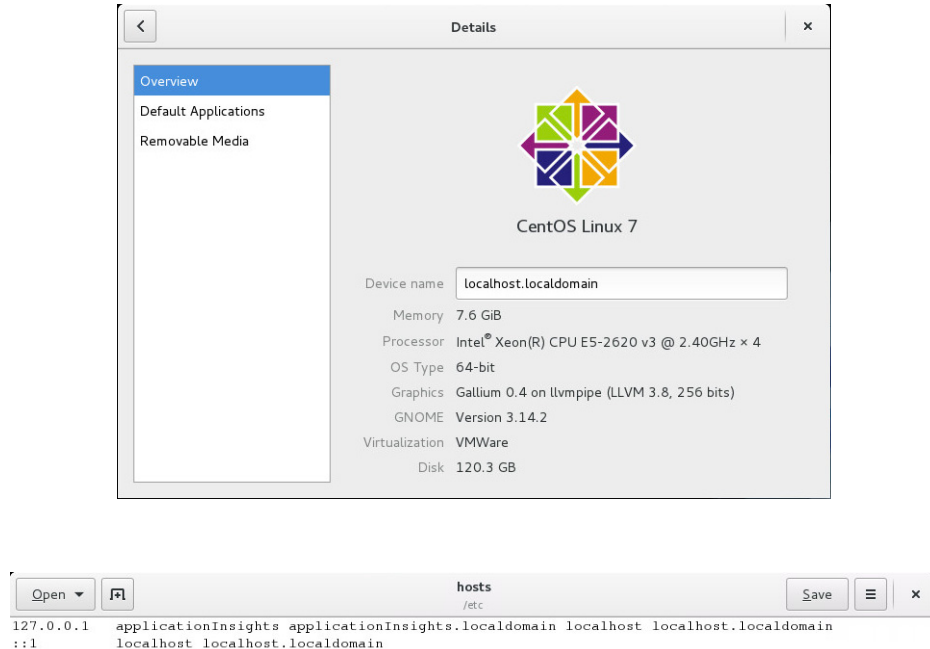


TIP: If you configure "DNS Search domains", not full qualified names will also be resolved.



The virtual appliance MUST be able to resolve its own host name. Please verify that by opening a terminal window (click "Terminal" on the desktop) and using the ping command. It is recommended that both host/common name as well full qualified domain name are pingable. See "Network (Firewall/Ports):" on page 7 for incoming and outgoing network access requirements.

When changing the host name (default is "ApplicationInsights") in the **Host Information** application, please make sure to adapt the host alias properties for 127.0.1.1 in /etc/hosts. This can be done using the **gedit** application. It is recommended that both host name and full qualified domain name are entered here:



Please note that the ApplicationInsights notification feature uses the host name to indicate the affected appliance. For further details refer to "Setup Notifications (Mailprofile)" on page 28.

Time Zone Settings:

Please check the time zone settings of the appliance, use the **Time and Date** application to adjust.



It is very important to adjust the appliance's time zone!



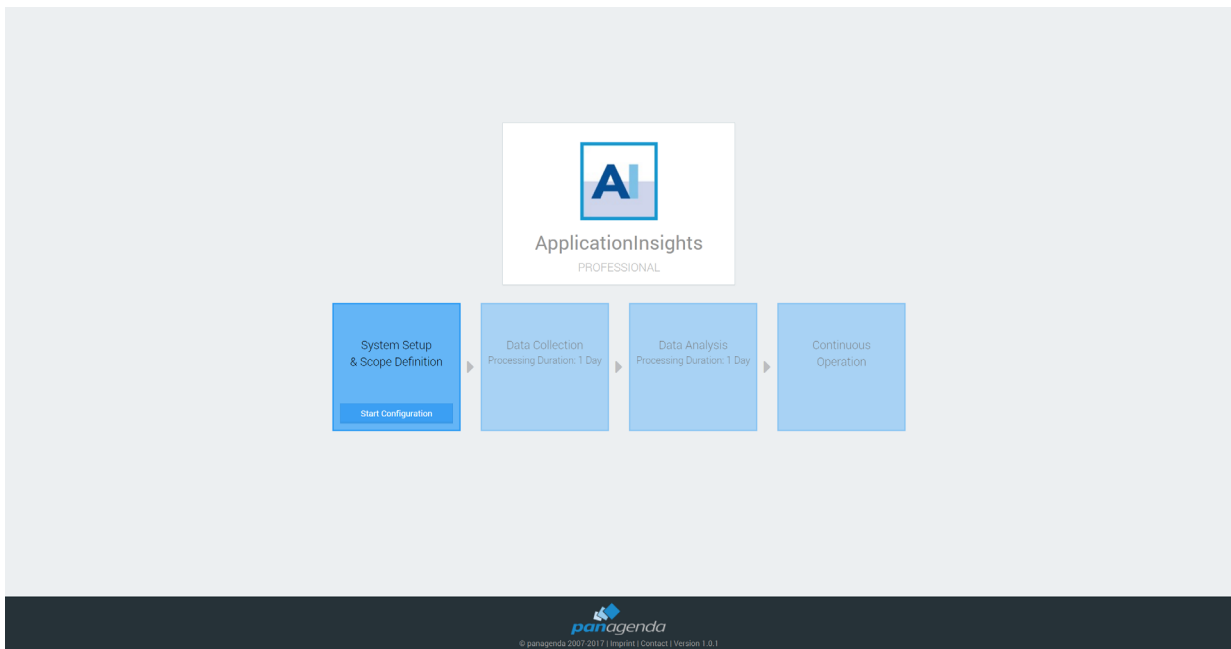
Please reboot the appliance after changing the host name or date/time settings as the web server and database system require a clean start with the new configuration.

Web Interface

Please enter **https://<FQDN or IP>** in your browser to connect to the panagenda ApplicationInsights web interface. For further information about your ApplicationInsights appliance's IP address, please refer to **"Welcome Screen and IP Address"** on page 13 and for further information about its hostname (FQDN), please refer to **"Network Settings:"** on page 16.

panagenda ApplicationInsights uses HTTPS for secure communication between its appliance and its web interface, so you have to accept the security certificate to continue. See <https://www.panagenda.com/kbase/x/xgBwAQ> if you want to use your own certificate.

When you start ApplicationInsights for the first time, you will see the following screen:



Please click on **Start Configuration** to open the ApplicationInsights configuration portal.

Login

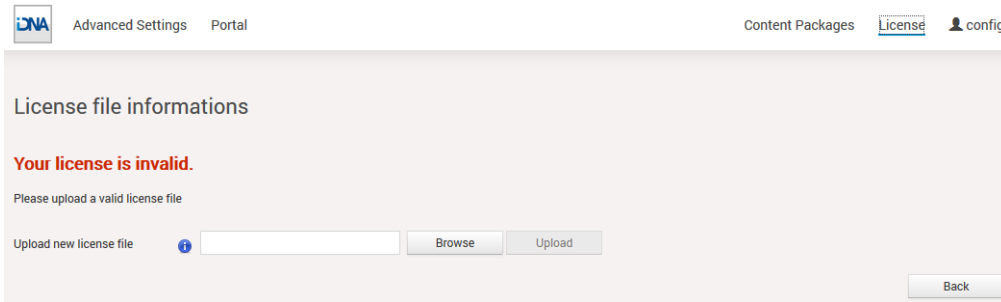
By default, a user with administrative credentials is available to access the panagenda ApplicationInsights web interface.

Default login information:

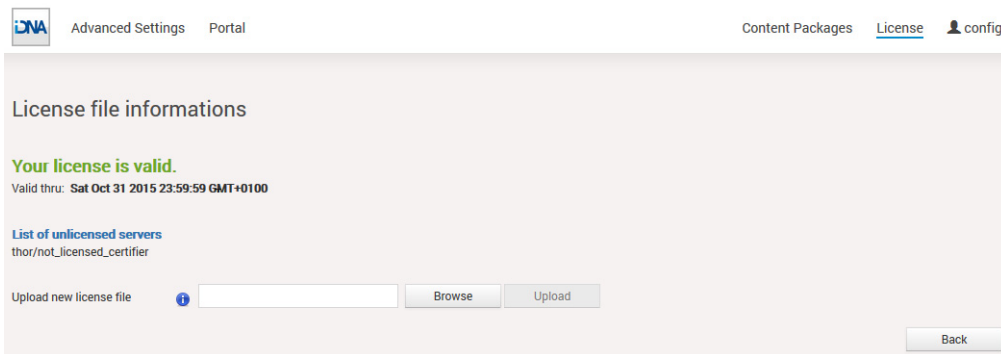
User "config" with password "config"

License File Upload

Please go to **https://<FQDN or IP>/idna/cfgc#license** and upload your panagenda ApplicationInsights license file when you connect to the appliance for the first time.



Note: Servers discovered, which are not covered by the license, will be shown in the list of unlicensed servers.



Content Packages – Basic Configuration

The basic configuration in this section of the ApplicationInsights user interface includes:

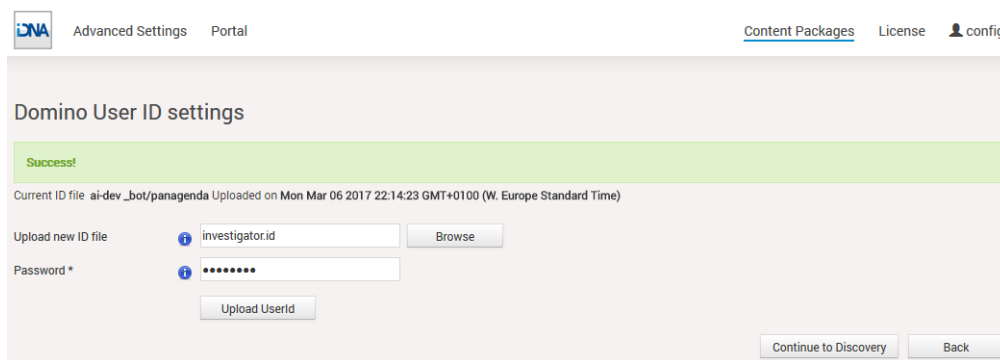
1. uploading an appropriate IBM Notes User ID
2. setting up the relevant Domino servers

1. IBM Notes User ID File Upload

In the ApplicationInsights configuration portal, click on the *Setup User ID* button beside the User ID section, to open a dialog for uploading your ID file.

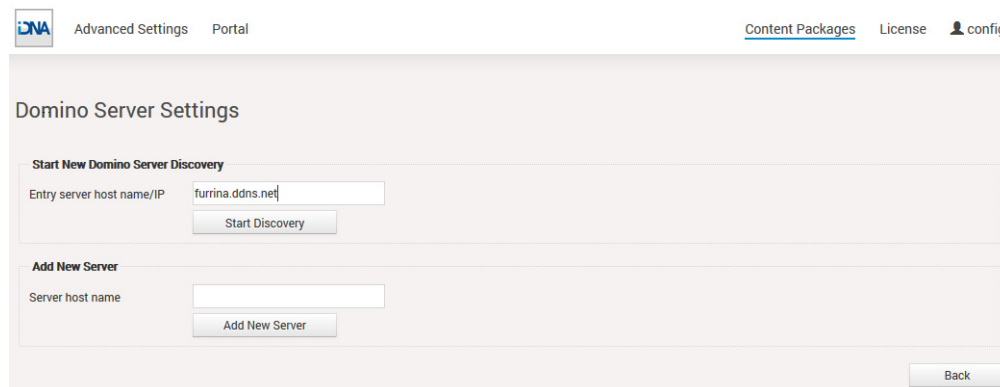
- ▶ Please ensure that the IBM Notes User ID meets the requirements (see "IBM Domino Notes:" on page 7)

To upload the new User ID file, please open the file selection dialog by clicking the *Browse* button. Select the desired IBM Notes User ID, enter the appropriate password and click on *Upload*. "Success" means that you uploaded a properly configured IBM Notes User ID:



2. Domino Server Settings

Click the *Discovery* button in the in the ApplicationInsights configuration portal (<https://<FQDN or IP>/idna/cfgc>) to open the Domino Server Settings:



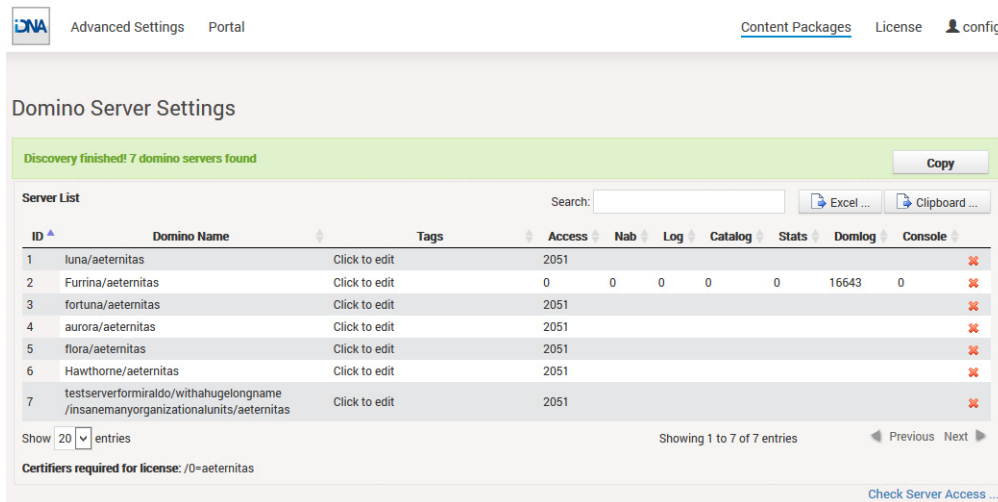
There are two ways to set up your Domino servers for ApplicationInsights:

- a *Start new Domino Server Discovery* – this option provides a comfortable way to add several servers to the ApplicationInsights analysis
- b *Add new server* – this section offers the possibility to add (further) servers manually. Just enter the FQDN of the servers ApplicationInsights is supposed to analyze

Start new Domino Server Discovery

The Domino server discovery starts at the server that you enter in the *Entry server host name/IP* field. This server's Domino Directory will be scanned for further server documents.

After entering the FQDN or IP of your desired entry server, you can start your Domino server discovery (by clicking on the *Start Discovery* button) which means that the ApplicationInsights Notes client tries to access the server and reads the other server names from the server documents in its Domino directory. You will get a notification in case the ApplicationInsights Notes ID doesn't have sufficient rights to access the defined entry server. Depending on your infrastructure and settings, the duration of the discovery can vary. When it is done, the results of the discovery are displayed:



In this list, all servers which have been found¹ will appear together with some information about the access status of:

- the server itself
- the log file
- the Domino Directory
- the console
- the statistics
- the domlog.nsf

If there are any access issues, they should be solved before configuring the content packages. Clicking on the red X deletes the respective server from the list. You can make use of this when you want to delete decommissioned servers that are still listed in the address book.

1. in the directory of the entry server of the discovery

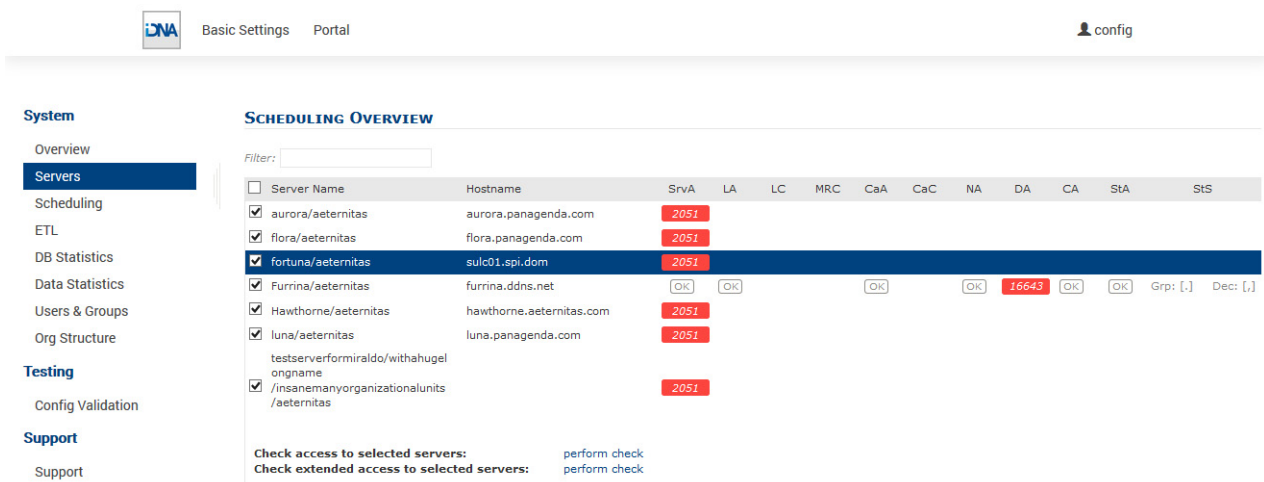


Please note that there is a list of all certifiers displayed, which have to be included in the license file for a successful measurement.

If there are servers which could not be found in the Domino Directory of the Discovery Server you can add to them by using the **Add new Server** option.

Check Server Access

Clicking on the link **Check Server Access** on the *Domino Server Settings Result* page leads to the following screen:



Server Name	Hostname	SrV	LA	LC	MRC	CaA	CaC	NA	DA	CA	StA	StS
<input checked="" type="checkbox"/> aurora/aeternitas	aurora.panagenda.com	2051										
<input checked="" type="checkbox"/> flora/aeternitas	flora.panagenda.com	2051										
<input checked="" type="checkbox"/> fortuna/aeternitas	sulc01.spi.dom	2051										
<input checked="" type="checkbox"/> furrina/aeternitas	furrina.ddns.net	OK	OK			OK		OK	15643	OK	OK	Grp: [-] Decr: [-]
<input checked="" type="checkbox"/> hawthorne/aeternitas	hawthorne.aeternitas.com	2051										
<input checked="" type="checkbox"/> luna/aeternitas	luna.panagenda.com	2051										
<input checked="" type="checkbox"/> testserverformiraldowithahugel ongname		2051										
<input checked="" type="checkbox"/> /insanemanyorganizationalunits /aeternitas		2051										

Check access to selected servers: [perform check](#)
 Check extended access to selected servers: [perform check](#)

Please ensure that columns SrV (Server Access), LA (Log.nsf Access), CaA (Catalog.nsf Access), NA (Domino Directory Access), StA (Statlog.nsf access) and CA (Console Access) are showing "OK".

After fixing missing access rights for a particular server, select the server in first column and click on **perform check** in the line *Check access to selected servers*. This will repeat the initial access check which was done during Server Discovery (see "Start new Domino Server Discovery" on page 20).

If all access right requirements of all servers are fulfilled, please check all servers in the first column and run a **perform check** in the line *Check extended access to selected servers*. This

will examine several entries in the servers `notes.ini` file via console command in order to verify configuration parameters and come back with this screen:

SERVER OVERVIEW

Filter:

Server Name	Hostname	SrvA	LA	LC	MRC	CaA	CaC	NA	DA	CA	StA	StS
<input type="checkbox"/> aurora/aeternitas	aurora.panagenda.com	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="warn"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="16643"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	Grp: [.] Dec: [.]
<input type="checkbox"/> flora/aeternitas	flora.panagenda.com	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="warn"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="16643"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	Grp: [.] Dec: [.]
<input type="checkbox"/> fortuna/aeternitas	sulc01.spi.dom	<input type="button" value="23651"/>										
<input checked="" type="checkbox"/> Furrina/aeternitas	furrina.ddns.net	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="Error"/>	<input type="button" value="warn"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="16643"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	Grp: [.] Dec: [.]
<input type="checkbox"/> Hawthorne/aeternitas	hawthorne.aeternitas.com	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	Configuration problematic:			<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	Grp: [.] Dec: [.]
<input type="checkbox"/> luna/aeternitas	luna.panagenda.com	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	INI value for 'Log_Disable_Session_Info' is set to '1'			<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	<input type="button" value="OK"/>	Grp: [.] Dec: [.]
<input type="checkbox"/> testserverformiraldo/withahugelongname												
<input type="checkbox"/> /insanemanyorganizationalunits/aeternitas		<input type="button" value="18886"/>										

Check access to selected servers: [perform check](#)
 Check extended access to selected servers: [perform check](#)

Please ensure that all requirements for *LC* (Log configuration) and *CaC* (Catalog Configuration) are met by all servers. If there is an issue in one of those columns, hover over the entry and a pop up will display the issue found. Every time a found issue has been fixed on a server, please do a recheck **extended access** on that specific server. If the customer has scheduled Catalog and *Statlog* tasks via program document(s), it is OK for *CaC* (Catalog Config) to remain in warning state. It is always OK for *MRC* (Mail Routing Config) to remain in warning state, since mail routing information is not processed in ApplicationInsights.

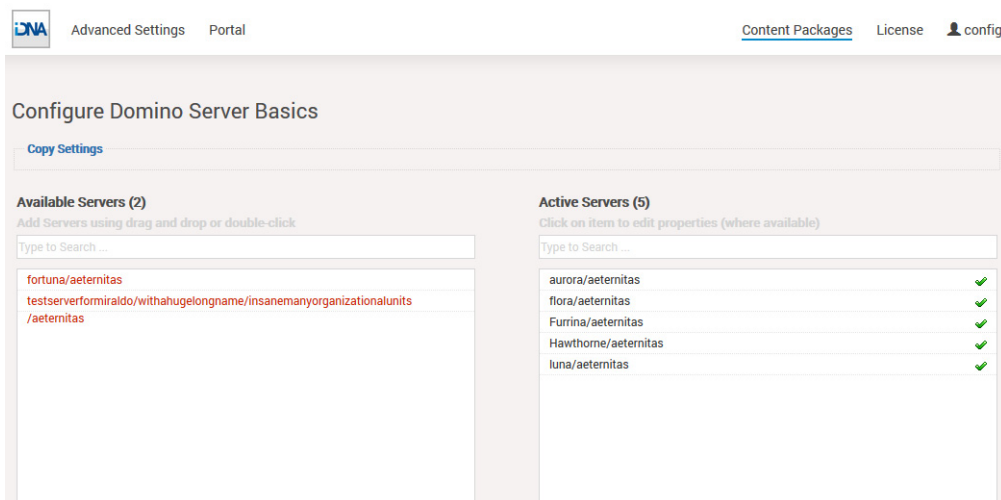
Content Packages – ApplicationInsights

ApplicationInsights contains the following Content Packages:

- **Domino Server Basics**
- **Database Catalog**
- **Session Activity**
- **Domino Web Log**
- **Directory/NAB Content**

With the exception of Directory/NAB and Domino Web Log content, all of them are configured as described in the following section. Directory/NAB and Domino Web Log configurations are explained in separate sections.

Configure Domino Server Basics/Database Catalog/Session Activity



To configure the Content Packages Domino Server Basics, Database Catalog, and Session Activity you only have to choose your desired servers from the list of *Available Servers*. To do so, please use drag and drop or double click on the respective servers. When you are facing a longer server list, you will also find a filter option in this configuration form as well as buttons to *Add selected* or to *Add all* servers.

From the moment you click on the *Save & Close* button, ApplicationInsights will start to measure your desired servers according to the Content Package you just configured.

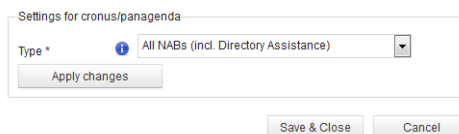
Configure Directory/NAB Content

This content package collects all Person, Group and Mail-In documents from selected Domino directories.

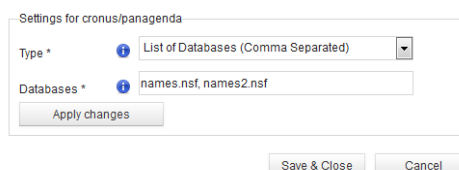
Different from most other content packages, which collect information from multiple to all servers, usually only one server per Notes Domain is selected for this content package. Typical candidates are admin servers, hubs or dedicated directory servers.

There are two options when selecting which directories are collected:

1. All address books listed in Directory Assistance (DA) of this server
This option is the default, but may lead to undesired results if address books are part of DA which hold external persons. Only address books should be included that contain the company's own Notes users.

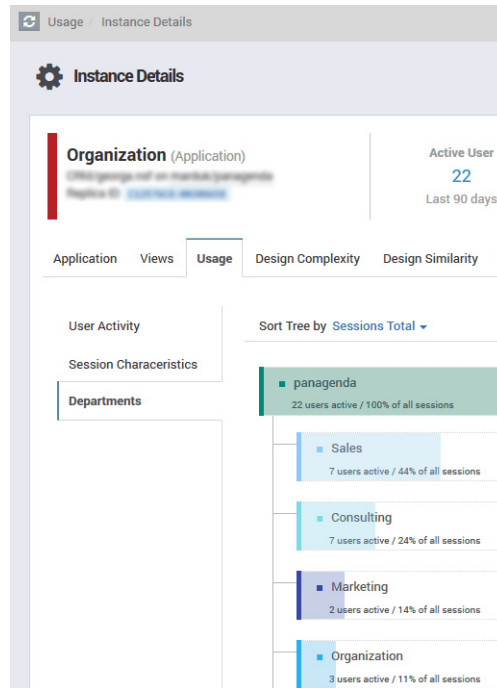


2. Comma separated list of databases
Sometimes the better option is selecting address books manually via this option. Simply gathering "names.nsf" databases from desired Notes Domains will often provide everything that is needed.



Configuration: Usage by Organizational Units

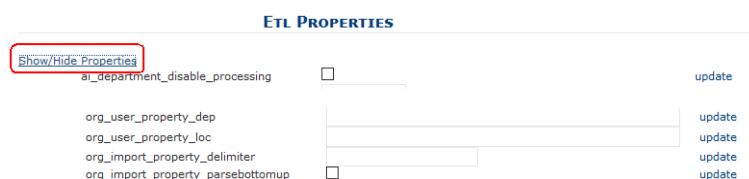
By default, ApplicationInsights automatically collects information about a user's organizational unit. This information is gathered from the Field "**Department**" in person documents in the Domino Directory. ApplicationInsights aggregates this data and shows the results in the catalog:



Specify a Different Field in Person Document

If you use another person document field for organizational information, please configure ApplicationInsights as follows:

- Open the file `/opt/panagenda/appdata/volumes/ai/idna/idna-config.properties` in the file system of the appliance in an editor
- Add `domino.server.nab.userdocument.import.raw=true` to enable the collection of organizational info from your organizations custom field
- Open the URL `https://<FQDN or IP>/idna/sys/etl`
- Click on **Show/Hide Properties**



- **org_user_property_dep:** please enter the name of the field in the person document which holds the organizational information for that user
- **org_import_property_delimiter:** please enter the character which separates the hierarchies in the case the organization files has hierarchical content (such as the “\” in the following example “\department\team”)
- **org_import_property_parsebottomup:** id info is hierarchical default order is assumed as top down if the field holds the information bottom up like (team\department\segment) please check this box



Important: After changing an entry you always have to click the corresponding update once to transfer the change into the configuration table.

Disabling the Collection of Organizational Information

If your Domino Directory’s person documents do not hold valid information in the department field, and there is no other field in the person document holding that information, you can disable the collection of organizational information. If disabled, the usage by department will not be available.

Please

- Open the URL **https://<FQDN or IP>/idna/sys/etl**
- Click on **Show/Hide Properties**



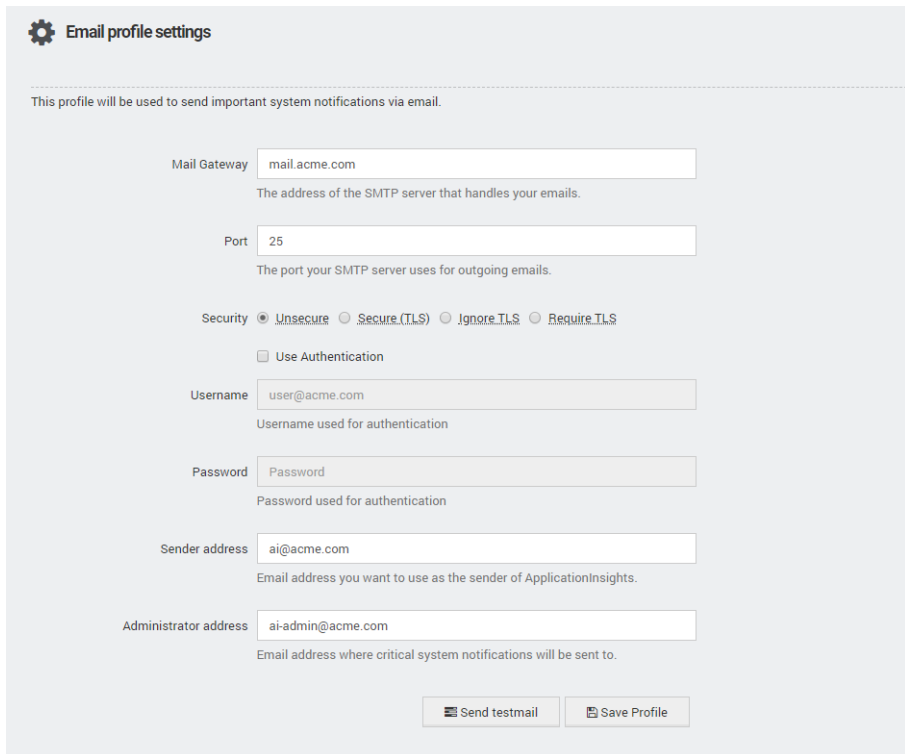
- Check **ai_department_disable_processing**
- After that you have to click the corresponding **update** link once to transfer the change into the configuration table

The changes and tweaks will be reflected in the ApplicationInsights Portal after the following ETL run at 6:30 PM.

Setup Notifications (Mailprofile)

ApplicationInsights requires a Mailprofile to send important system notifications, such as storage warnings, via email.

To setup a Mailprofile, click on the **Settings** icon at the right hand corner of the web interface and select **Email profile settings** from the menu:



Email profile settings

This profile will be used to send important system notifications via email.

Mail Gateway: mail.acme.com
The address of the SMTP server that handles your emails.

Port: 25
The port your SMTP server uses for outgoing emails.

Security: Unsecure Secure (TLS) Ignore TLS Require TLS

Use Authentication

Username: user@acme.com
Username used for authentication

Password: Password
Password used for authentication

Sender address: ai@acme.com
Email address you want to use as the sender of ApplicationInsights.

Administrator address: ai-admin@acme.com
Email address where critical system notifications will be sent to.

Complete the form according to your email infrastructure. You can check your settings by clicking on the **Send testmail** button.

Click on **Save Profile** to finish the setup.



Please note that the host name of an appliance is used to identify the affected ApplicationInsights installation. If the host name is configured as "ApplicationInsights", which is the default value, the IP address of the appliance will be used instead. See page 17 for a description on how to adapt the host information.

ADDITIONAL INFORMATION

Further useful information on how to get and keep panagenda ApplicationInsights up and running can be found in our knowledge base:

<https://www.panagenda.com/kbase/display/AI/>

Especially the following topics may be relevant:

- Appliance Upgrade:
<https://www.panagenda.com/kbase/x/LZDo>
- User Management:
<https://www.panagenda.com/kbase/x/VQBwAQ>
- Download Log Files:
<https://www.panagenda.com/kbase/x/yQBwAQ>
- Remote Appliance Access (VNC):
<https://www.panagenda.com/kbase/x/uQBwAQ>
- SSL Certificate:
<https://www.panagenda.com/kbase/x/xgBwAQ>
- Enabling the "Open in Designer" Feature:
<https://www.panagenda.com/kbase/x/mgBwAQ>
- Extending Disk Space:
<https://www.panagenda.com/kbase/x/ngBwAQ>

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