

insightView

Install Guide (On-premise)

insightView NotiAlarm – Event Message Notification Solution

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oxyzn

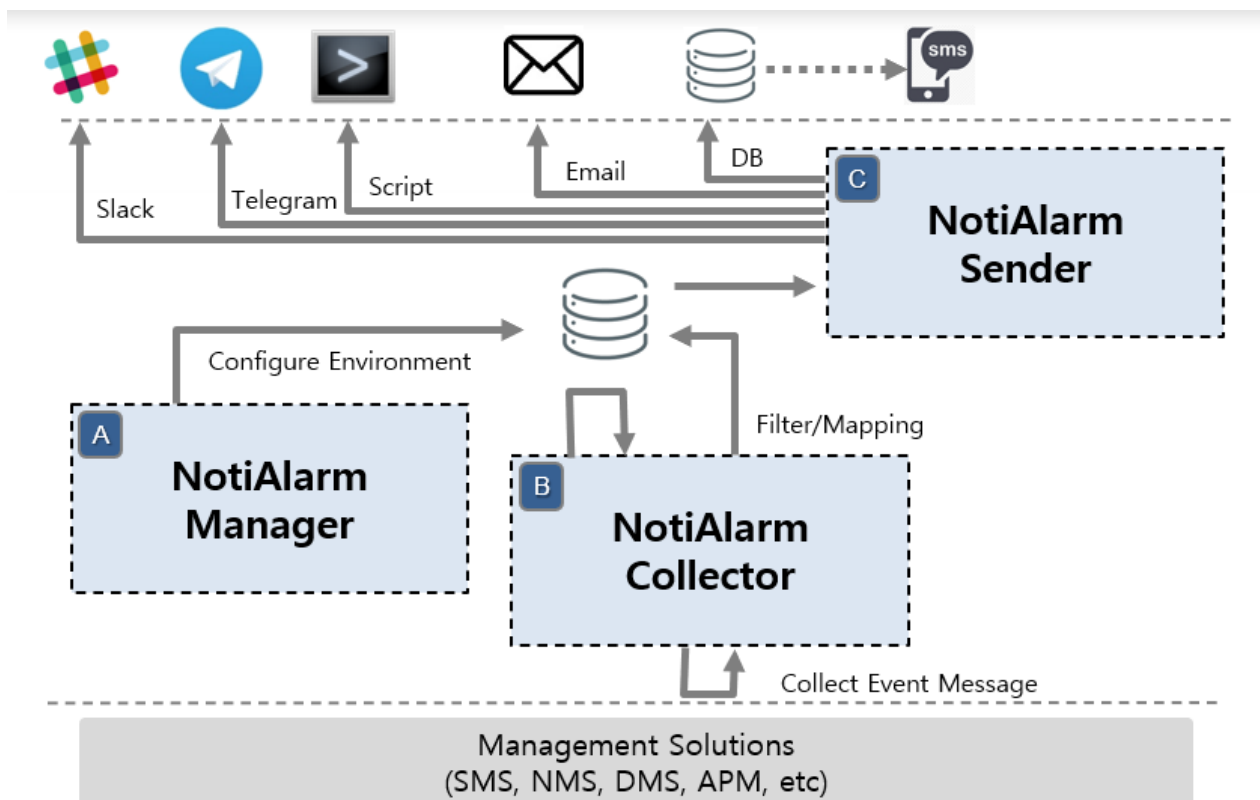
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1. Overview

The 'insightView NotiAlarm' product is a failure event notification management solution and supports to notify the operation manager and manager of failure event messages by text message or e-mail in connection with various other management solutions.

It is provided on SaaS or On-premise.



- The main features are as follows:
 - ✓ Integration of failure event messages from other management solutions
 - ✓ Flexible configuration settings according to customers' different environments
 - ✓ Setting up notification groups according to various conditions
 - ✓ Manage notification exclusion settings by target node and recipient
 - ✓ Short/long message, email, Slack, Telegram, etc. notification support
 - ✓ HTML template file reflection support for email notification
 - ✓ Multi-language (English, Korean) support

2. Server Installation

2.1. Requirements

The insightVew NotiAlarm Server must meet the follows.

OS	M/W	CPU	MEMORY	DISK	Etc
Linux (CentOS 7 64bit)	JDK 8	4 Core or higher	8 GB or higher	100 GB or higher	

* Requirement specifications may be higher depending on the operating environment.

2.2. Prerequisites

The insightVew NotiAlarm Server runs with JDK 8, so you must install it first. You can download and install it from the following sites.

Name	URL Address	Etc
OpenJDK	https://github.com/adoptopenjdk/adoptopenjdk/releases	
Oracle Java	https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html	

2.3. Increase OS performance settings

For stable service, adjust OS performance setting values as below on server OS.

2.3.1. Increase the socket connection count

- ① Check the current value as shown below.
`sysctl net.core.somaxconn`
- ② Increase the value as shown below.
`sudo sysctl -w net.core.somaxconn=2048`
- ③ Save to the configuration file.
`sudo vi /etc/sysctl.conf`
`net.core.somaxconn=2048`

2.3.2. Increase the network inbound queue length

- ① Check the current value as shown below.
`# sysctl net.core.netdev_max_backlog`
- ② Increase the value as shown below.
`# sudo sysctl -w net.core.netdev_max_backlog=30000`
- ③ Save to the configuration file.
`# sudo vi /etc/sysctl.conf`
`net.core.netdev_max_backlog=30000`

2.3.3. Set the overcommit memory

- ① Check the current value as shown below.
`# sysctl vm.overcommit_memory`
- ② Set the value as shown below.
`# sudo sysctl vm.overcommit_memory=1`
- ③ Save to the configuration file.
`# sudo vi /etc/sysctl.conf`
`vm.overcommit_memory=1`

2.3.4. Increase the process resource limit

- ① Check the current value as shown below.
`# ulimit -a`
- ② Increase the value as shown below.
`# ulimit -n 4096`
`# ulimit -u 4096`
- ③ Save to the configuration file.
`# sudo vi /etc/security/limits.conf`
`* soft nofile 4096`
`* hard nofile 4096`
`* soft nproc 4096`
`* hard nproc 4096`

2.3.5. Disable THG config

- ① Check the current 'Transparent huge pages' value as shown below.
`# cat /sys/kernel/mm/transparent_hugepage/enabled`
- ② If not [never], set the value to 'never' as shown below. (Notice: must be run as 'root' user)
`# echo never > /sys/kernel/mm/transparent_hugepage/enabled`
- ③ Save to the configuration file.

```
# sudo vi /etc/rc.local
echo never > /sys/kernel/mm/transparent_hugepage/enabled
```

* It should be set to an appropriate value according to the server operating environment.

2.4. Port

The insightVew NotiAlarm server uses the default port for communication with the internal and the web console as shown below, so the corresponding port must be opened in the firewall.

Purpose	Default Port	Etc
Internal Communication	28575	
Access for Web Console	29091	

2.5. Download

You can download the package of server from the following site.

Type	URL Address	Etc
Server	http://www.insightvew.com	

2.6. Install and Start Server

After download the server package, install as follows:

- ① Extract the downloaded package file.


```
# tar xvf inaserver_linux_64bit_<version>.tar
```
- ② Execute the install script.


```
# ./install.sh
```
- ③ Input the destination directory to install.
- ④ After installation is completed, modify the **JAVA_HOME** variable value of the following files with the JDK installed directory.


```
<installed directory>/tomcat/bin/catalina.sh
<installed directory>/jdbc/jdbcenv.cfg
```
- ⑤ Start the server as follows.


```
# cd <installed directory>
# ./inaserver.sh strat
```

2.7. Server Commands

To start, stop and check the status of the server, proceed as follows.

2.7.1. Check the status

```
# ./inaserver.sh status
```

2.7.2. Start server

```
# ./inaserver.sh start
```

2.7.3. Stop server

```
# ./inaserver.sh stop
```

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