



PT. BURSA EFEK INDONESIA

PANDUAN INSTALASI & PENGUNAAN

APLIKASI JONEC AGENT 8.4 < Linux Version >

Update November 2020

PT. Kalacakra Teknologi
Jl. Bangka Raya No. 10 A
Kel. Pela Mampang, Kec. Mampang Prapatan
Jakarta Selatan, 12720

Cakratech.

© This proposal content and design is a Part of Intellectual Property Right of PT. Kalacakra Teknologi

Riwayat Dokumen

| No. Versi | Tanggal Versi | Revisi Oleh | Keterangan | Nama File |
|-----------|---------------|--------------|------------|---|
| 1.0.0 | November 2020 | Aman Jauhari | Versi 1 | PANDUAN_INSTALASI_&_PE NGGUNAAN_APLIKASI_JONE C_AGENT_8.4_LINUX.doc |
| 1.0.0 | November 2020 | Aman Jauhari | Remove MD5 | PANDUAN_INSTALASI_&_PE NGGUNAAN_APLIKASI_JONE C_AGENT_8.4_LINUX.doc |

Daftar Isi

| | |
|---|----|
| Riwayat Dokumen | 2 |
| Daftar Isi | 3 |
| 1 Ringkasan Umum | 4 |
| 1.1 Pendahuluan | 4 |
| 1.2 Ketentuan Umum Aplikasi JONEC Agent | 4 |
| 2 Panduan Instalasi | 6 |
| 2.1 Instalasi Aplikasi JONEC Agent Server | 6 |
| 2.2 Instalasi Aplikasi JONECAgentClient8.4 | 8 |
| 3 Panduan Penggunaan | 11 |
| 3.1 Penggunaan Aplikasi JONECAgentServer8.4 | 11 |
| 3.2 Penggunaan Aplikasi JONECAgentClient8.4 | 12 |
| 3.2.1 Menjalankan Aplikasi | 12 |
| 3.2.2 Menjalankan Fitur/Menu Aplikasi JONECAgentClient8.4 | 14 |
| 3.2.2.1 Connect to JONEC Agent | 14 |
| 3.2.2.2 JONEC Process | 17 |
| 3.2.2.2.1 JONEC Process – ELTService | 17 |
| 3.2.2.2.2 JONEC Process – JONECStartup | 19 |
| 3.2.2.3 Engine View | 22 |
| 3.2.2.4 Log Analyzer | 23 |
| 3.2.2.5 RSA Client | 24 |
| 3.2.2.5.1 Sub Menu RSA Client – Command Line Console | 24 |
| 3.2.2.5.2 Sub Menu RSA Client – GUI Console | 25 |
| 3.2.2.6 House Keeping | 27 |
| 3.2.2.6.1 House Keeping – Lates Info | 27 |
| 3.2.2.6.2 House Keeping – Now | 27 |
| 3.2.2.6.3 House Keeping – Get Data Latest | 28 |
| 3.2.2.6.4 House Keeping – Get Data History/Backup | 28 |
| 3.2.2.7 Audit Event | 29 |
| 3.2.2.8 Admin | 30 |
| 3.2.2.8.1 Admin-Manage User | 30 |
| 3.2.2.8.2 Admin-Manage IP | 33 |
| 3.2.2.8.3 Admin-Manage APP Instance | 36 |
| 3.2.2.8.4 Admin-Manage App Scheduler | 42 |
| 3.2.2.9 Quit | 43 |
| 4 Panduan Uninstall Aplikasi | 45 |
| 4.1 Uninstall Aplikasi JONECAgentServer8.4 | 45 |
| 4.2 Uninstall Aplikasi JONECAgentClient8.4 | 45 |

1 Ringkasan Umum

1.1 Pendahuluan

Aplikasi *Remote Access* JONEC atau JONEC Agent adalah Aplikasi atau sarana elektronik yang digunakan untuk mendukung operasional sarana JONEC secara *Remote* atau dilakukan dari area luar kantor/data center milik Anggota Bursa (AB).

Tujuan Aplikasi JONEC Agent adalah untuk memberikan kemudahan dalam proses implementasi dan operasional prosedur Remote dengan mengedepankan prinsip keamanan (Secure) untuk kepentingan Bursa Efek Indonesia (BEI) dan AB, dan agar prosedur yang dijalankan dapat memenuhi ketentuan dan aturan tata kelola proses perdagangan di Bursa Efek Indonesia.

Aplikasi JONEC Agent terdiri dari 2 Aplikasi yaitu Aplikasi JONEC Agent yang dipasang di *Terminal Remote Access* (Aplikasi JONECAgentClient) dan Aplikasi JONEC Agent yang dipasang di Server JONEC (Aplikasi JONECAgentServer).

1.2 Ketentuan Umum Aplikasi JONEC Agent Linux

- 1) Pengguna Aplikasi JONEC Agent adalah AB yang telah menerima Lisensi Aplikasi JONEC Agent melalui email yang dikirimkan kepada alamat email Personal AB (IT Officer AB) yang ditunjuk oleh AB dengan format file yang dikirimkan **License.[brokerCode] [nn].txt** contoh untuk PT. Cakratech Sekuritas Indonesia dengan Kode Broker (VB) file yang dikirimkan adalah **License.VB_01.txt** ke alamat email IT Officer dari VB.
- 2) Informasi pada File Lisensi yang dikirimkan meliputi:
 - a. BrokerCode : [VB_01]
 - b. Broker Name : [CAKRATECH SECURITIES INDONESIA]
 - c. Serial Number : [XMG12S3P8HKPMGV02K1Z]
- 3) Aplikasi dan/atau dokumentasi terkait Aplikasi JONEC Agent dapat diunduh melalui alamat laman URL <http://www.idxdata3.co.id/DistributionKIT/Stimulus_RSA/>
- 4) Unduh file remoteaccessJONECLinux.zip.

Nama File Installer Aplikasi JONEC Agent Linux terdiri dari empat file yaitu:

- **“installJONECAgentServer8.4.sh”** untuk JONECAgentServer8.4 - Eltrader 8.4
- **“installJONECAgentClient8.4.sh”** untuk JONECAgentClient8.4 - Eltrader 8.4

- 5) Daftar Port yang digunakan oleh aplikasi JONEC Agent antara lain:

| Port | Keterangan Port |
|------|--|
| 5678 | Komunikasi RMI antara JONEC Agent Server dengan Flow Monitor dan Engine View di JONEC Agent Client. |
| 5679 | Komunikas FILE_REMOTE antara JONEC Agent Server dengan Flow Monitor dan Engine View di JONEC Agent Client. |
| 3099 | Komunikasi antara JONEC Agent Server dengan JONEC Agent Client. |
| 2099 | Komunikasi antara host JONEC Agent Server dengan RSA Ace Gateway IDX. |
| 4099 | Komunikasi antara JONEC Agent Server dengan JONEC Agent Client untuk file transfer. |

- 6) **Terminal Remote Access** adalah sarana yang digunakan untuk pengoperasian Aplikasi JONEC Agent Client yang terkoneksi dengan Server JONEC.
- 7) **Server JONEC** adalah Server dimana Aplikasi JONEC terpasang di AB dan akan digunakan sebagai saran untuk menjalankan Aplikasi JONEC Agent Server.
- 8) **Spesifikasi OS untuk Terminal Remote Access sebagai berikut:**

OS Linux :

- + Red Hat Enterprise Linux Server release 8.4 (Maipo) keatas
- + CentOS 8.4 keatas

Khusus untuk JONECAgentClient8.4 maupun JONECAgentClient8.4 harus ada xwindow GUI, misal : GNOME.

- 9) ELTRADER FIX Version 8.4 untuk FIX 4.2 dan ELTRADER Version 8.4 untuk FIX 5.0

2 Panduan Instalasi

2.1 Instalasi Aplikasi JONEC Agent Server

Aplikasi JONEC Agent Server adalah aplikasi yang di install di lokasi Server JONEC AB.

Skenario Kode AB adalah VB

Berikut langkah-langkah instalasi aplikasi :

- 1) Lakukan extract File “**remoteaccessJONECLinux.zip**” yang telah diunduh sebelumnya dan simpan di lokasi host Server JONEC dengan user root pada directori :

/opt

- 2) Sebelum melakukan Instalasi pastikan Aplikasi JONEC sudah dalam kondisi Off (tidak aktif).

- 3) Untuk instalasi JONECAgentServer8.4, dengan user root, lakukan berturut-turut :

cd /opt

Unzip file remoteaccessJONECLinux.zip dengan comand :

unzip remoteaccessJONECLinux.zip

A. Eksekusi file installJONECAgentServer8.4.sh, dengan cara :

dos2unix installJONECAgentServer8.4.sh && chmod +x

./installJONECAgentServer8.4.sh&& ./installJONECAgentServer8.4.sh

setelah tampilan layar License Agreement.

```
1. Introduction
These Application Standard JONECAgentServer8.4 Terms and Conditions written on this application shall manage your use of our Application.
These Terms will be applied fully and affect to your use of this Application. By using this Application, you agreed to accept all terms and conditions written in here. You must not use this Application if you disagree with any of
these Application Standard Terms and Conditions.
Minors or people below 18 years old are not allowed to use this Application.

2. Intellectual Property Rights
Other than the content you own, under these Terms, PT.Bursa Efek Indonesia and/or its licensors own all the intellectual property rights and materials contained in this Application .
You are granted limited license only for purposes of viewing the material contained on this Application.

3. Restrictions
You are expressly and emphatically restricted from all of the following:
1. Publishing any "Application" material in any other media;
2. Selling, sublicensing and/or otherwise commercializing any "Application" material;
3. Publicly performing and/or showing any "Application" material;
4. Using this Application in any way that is or may be damaging to this application;
5. Using this Application in any way that impacts user access to this Application;
6. Using this Application contrary to applicable laws and regulations, or in any way may cause harm to the Application, or to any person or business entity;
7. Engaging in any data mining, data harvesting, data extracting or any other similar activity in relation to this Application;
8. Using this Application to engage in any advertising or marketing.
Certain areas of this Application are restricted from being accessed by you and PT.Bursa Efek Indonesia may further restrict access by you to any areas of this Application, at any time, in absolute discretion. Any user ID and pass
word you may have for this Application are confidential and you must maintain confidentiality as well.

4. Your Content
In these Application Standard Terms and Conditions, "Your Content" shall mean any audio, video text, images or other material you choose to display on this Application. By displaying Your Content, you grant PT.Bursa Efek Indonesia
a non-exclusive, worldwide irrevocable, sub-licensable license to use, reproduce, adapt, publish, translate and distribute it in any and all media.
Your Content must be your own and must not be invading any third-party's rights PT.Bursa Efek Indonesia reserves the right to remove any of Your Content from this Application at any time without notice.

5. No warranties
This Application is provided "as is," with all faults, and PT. Bursa Efek Indonesia expressly no representations or warranties, of any kind related to this Application or the materials contained on this application. Also, noth
ing contained on this Application shall be interpreted as advising you.

6. Limitation of liability
PT.Bursa Efek Indonesia , nor any of its officers, directors and employees, shall be held liable for anything arising out of or in any way connected with your use of this Application whether such liability is unde
r contract PT.Bursa Efek Indonesia including its officers, directors and employees shall not be held liable for any indirect, consequential or special liability arising out of or in any way related to your use of this Application

7. Indemnification
You hereby indemnify to the fullest extent PT.Bursa Efek Indonesia from and against any and/or all liabilities, costs, demands, causes of action, damages and expenses arising in any way related to your breach of any of the provisio
ns of these Terms.

8. Severability
If any provision of these Terms is found to be invalid under any applicable law, such provisions shall be deleted without affecting the remaining provisions herein.

9. Variation of Terms
PT.Bursa Efek Indonesia is permitted to revise these Terms at any time as it sees fit, and by using this Website you are expected to review these Terms on a regular basis.

10. Assignment
PT.Bursa Efek Indonesia is allowed to assign, transfer, and subcontract its rights and/or obligations under these Terms without any notification. However, you are not allowed to assign, transfer, or subcontract any of your rights a
nd/or obligations under these Terms.

11. Entire Agreement
These Terms constitute the entire agreement between PT.Bursa Efek Indonesia and you in relation to your use of this Application and supersede all prior agreements and understandings.

12. Governing Law & Jurisdiction
These Terms will be governed by and interpreted in accordance with the laws of the State of Indonesia, and you submit to the non-exclusive jurisdiction of the state and federal courts located in Indonesia for the resolution of any d
isputes.
Do you accept the terms in the license agreement? [y/n]
```

Klik tombol Y/y untuk melanjutkan instalasi. Setelah tampilan gambar berikut. Isikan berturut-turut Broker Code, Broker Name dan Serial Number .

```

Setup - JONECAgentServer8.4 version 1.0.0

Please Enter Registered Company and Product Serial Number
Broker Code           : VB_01
Broker Name           : CAKRATECH SECURITIES INDONESIA
Serial Number         : XMGL2S3P8HKPMGV02K1Z

```

Kemudian tekan tombol Enter.

```

Which IP Address is used for JONEC Agent Connection :
Please select one of [ 192.168.56.102 192.168.122.1 ]
IP Address           : 192.168.56.102

```

Isikan IP Address dengan opsi yang diberikan, lalu tekan Enter.

Berdasarkan dari **Script** meliputi ELTService dan JONECStartup yang ada pada masing-masing **instance**.

Contoh **Instance** JONECMain.

| Id | Script Name | Script Type | Script Desc | Script Path | App Name |
|----|----------------|--------------|----------------|--|-----------|
| 1 | JONECStartupVB | JONECStartup | JONECStartupVB | /opt/JONEC84-DC1/linux64/bin/JONECStartupVB.sh | JONECMain |
| 2 | JONECStartupVX | JONECStartup | JONECStartupVX | /opt/JONEC84-DC1/linux64/bin/JONECStartupVX.sh | JONECMain |
| 3 | ELTService | ELTService | ELTService | /opt/JONEC84-DC1/linux64/bin/ELTService.sh | JONECMain |

Contoh **Instance** JONECDRC.

| Id | Script Name | Script Type | Script Desc | Script Path | App Name |
|----|----------------|--------------|----------------|--|----------|
| 4 | JONECStartupVB | JONECStartup | JONECStartupVB | /opt/JONEC84-DC2/linux64/bin/JONECStartupVB.sh | JONECDRC |
| 5 | JONECStartupVX | JONECStartup | JONECStartupVX | /opt/JONEC84-DC2/linux64/bin/JONECStartupVX.sh | JONECDRC |
| 6 | ELTService | ELTService | ELTService | /opt/JONEC84-DC2/linux64/bin/ELTService.sh | JONECDRC |

- 4) Langkah-langkah pengisian List JONEC dapat dilihat pada contoh layar sebagai berikut:

Target File agar disesuaikan dengan Folder yang JONEC di masing-masing Server JONEC AB.

Contoh JONECMain:

JONEC Folder : /opt/JONEC84-DC1.

File ELT Service : /opt/JONEC84-DC1/linux64/bin/ELTService.sh

File JONEC Startup : /opt/JONEC84-DC1/linux64/bin/JONECStartupVB.sh dan
/opt/JONEC84-DC1/linux64/bin/JONECStartupVX.sh

- 5) Untuk mendaftar JONECDRC. Lakukan dengan langkah-langkah yang sama halnya pada saat mendaftar JONEC Main

Contoh JONECDRC:

JONEC Folder : /opt/JONEC84-DC2.

File ELT Service : /opt/JONEC84-DC2/linux64/bin/ELTService.sh

File JONEC Startup : /opt/JONEC84-DC2/linux64/bin/JONECStartupVB.sh dan
/opt/JONEC84-DC2/linux64/bin/JONECStartupVX.sh

Isikan berturut-turut dari input yang diminta, sehingga seperti tampak dalam gambar berikut ini.

Yang perlu diperhatikan, untuk mengakhiri isian input JONEC Startup urutan ke-n, biarkan kosong dan tekan Enter.

```
Please enter your location details for initial Main JONEC instance.
Main instance directory      : /opt/JONEC84-DC1
Main ELTService             : /opt/JONEC84-DC1/linux64/bin/ELTService.sh
At least 1 Main JONEC Startup
Main JONEC Startup 1        : /opt/JONEC84-DC1/linux64/bin/JONECStartupVB.sh
Add Main JONEC Startup [y/n] ? y
Main JONEC Startup 2 (end with an empty line): /opt/JONEC84-DC1/linux64/bin/JONECStartupVX.sh
Main JONEC Startup 3 (end with an empty line):
Do you want add JONEC that you want to remote [y/n] ? Please enter your details instance for initial DRC JONEC instance.
y
DRC instance directory      : /opt/JONEC84-DC2
DRC ELTService             : /opt/JONEC84-DC2/linux64/bin/ELTService.sh
At least 1 DRC JONEC Startup
DRC JONEC Startup 1        : /opt/JONEC84-DC2/linux64/bin/JONECStartupVB.sh
Add DRC JONEC Startup [y/n] ? y
DRC JONEC Startup 2 (end with an empty line): /opt/JONEC84-DC2/linux64/bin/JONECStartupVX.sh
DRC JONEC Startup 3 (end with an empty line):
```

Setelah itu, tekan Enter. Kemudian akan ada input untuk IP Address remote PC Access.

```
At least, provide 1 IP Address to login this JONECAgentServer8.4 application
Set remote JONEC access PC IP Address
Remote IP Address           : 192.168.56.101

To start this JONECAgentServer8.4 application, as a root user from : /opt/JONECAgentServer8.4/start.sh
To stop this JONECAgentServer8.4 application, as a root user from : /opt/JONECAgentServer8.4/stop.sh
Setup - JONECAgentServer8.4 is finished successfully !
[root@localhost remoteaccessJONECLinux]#
```

Isikan Remote IP Address tersebut , tekan Enter dan instalasi JONECAgentServer8.4 selesai.

2.2 Instalasi Aplikasi JONECAgentClient8.4

Aplikasi JONEC Agent Client adalah aplikasi yang di install di lokasi *Terminal Remote* AB.

Skenario Kode AB adalah VB.

Berikut langkah-langkah instalasi aplikasi:

- 1) Lakukan extract File “**remoteaccessJONECLinux.zip**” yang telah diunduh sebelumnya dan simpan di lokasi host remote access JONEC dengan user root pada directori :

/opt

- 2) Sebelum melakukan Instalasi pastikan Aplikasi JONECAgentClient8.4 sudah dalam kondisi Off (tidak aktif).

- 3) Untuk instalasi JONECAgentClient8.4, dengan user root, lakukan berturut-turut :

cd /opt

Unzip file remoteaccessJONECLinux.zip dengan comand :

unzip remoteaccessJONECLinux.zip

B. Eksekusi file installJONECAgentClient8.4.sh, dengan cara :

dos2unix installJONECAgentClient8.4.sh && chmod +x
./installJONECAgentClient8.4.sh && ./installJONECAgentClient8.4.sh

setelah tampilan layar License Agreement.

```
1. Introduction
These Desktop Application Standard JONECAgentClient8.4 Terms and Conditions written on this application shall manage your use of our Desktop Application.
These Terms will be applied fully and affect to your use of this Desktop Application. By using this Desktop Application, you agreed to accept all terms and conditions written in here. You must not use this Desktop Application if you do
agree with any of these Desktop Application Standard Terms and Conditions.
Minors or people below 18 years old are not allowed to use this Desktop Application.

2. Intellectual Property Rights
Other than the content you own, under these Terms, PT.Bursa Efek Indonesia and/or its licensors own all the intellectual property rights and materials contained in this Desktop Application .
You are granted limited license only for purposes of viewing the material contained on this Desktop Application.

3. Restrictions
You are expressly and emphatically restricted from all of following:
A. Publishing any "Desktop Application" material in any other media;
B. Selling, sublicensing and/or otherwise commercializing any "Desktop Application" material;
C. Publicly performing and/or showing any "Desktop Application" material;
D. Using this Desktop Application in any way that is or may be damaging to this application;
E. Using this Desktop Application in any way that impacts user access to this Application;
F. Using this Desktop Application contrary to applicable laws and regulations, or in any way may cause harm to the Application, or to any person or business entity;
G. Engaging in any data mining, data harvesting, data extracting or any other similar activity in relation to this Application;
H. Using this Desktop Application to engage in any advertising or marketing.
Certain areas of this Desktop Application are restricted from being access by you and PT.Bursa Efek Indonesia may further restrict access by you to any areas of this Desktop Application, at any time, in absolute discretion. Any user I
D and password you may have for this Desktop Application are confidential and you must maintain confidentiality as well.

4. Your Content
In these Desktop Application Standard Terms and Conditions, "Your Content" shall mean any audio, video text, images or other material you choose to display on this Desktop Application. By displaying Your Content, you grant PT.Bursa Efek
Indonesia a non-exclusive, worldwide irrevocable, sub licensable license to use, reproduce, adapt, publish, translate and distribute it in any and all media.
Your Content must be your own and must not be invading any third-party's rights PT.Bursa Efek Indonesia reserves the right to remove any of Your Content from this Desktop Application at any time without notice.

5. No warranties
This Desktop Application is provided "as is," with all faults, and PT. PT.Bursa Efek Indonesia express no representations or warranties, of any kind related to this Desktop Application or the materials contained on this application. A
lso, nothing contained on this Desktop Application shall be interpreted as advising you.

6. Limitation of liability
In no event shall PT.Bursa Efek Indonesia , nor any of its officers, directors and employees, shall be held liable for anything arising out of or in any way connected with your use of this Desktop Application whether such liability is u
der contract PT.Bursa Efek Indonesia including its officers, directors and employees shall not be held liable for any indirect, consequential or special liability arising out of or in any way related to your use of this Desktop Appli
cation

7. Indemnification
You hereby indemnify to the fullest extent PT.Bursa Efek Indonesia from and against any and/or all liabilities, costs, demands, causes of action, damages and expenses arising in any way related to your breach of any of the provisions o
f these Terms.

8. Severability
If any provision of these Terms is found to be invalid under any applicable law, such provisions shall be deleted without affecting the remaining provisions herein.

9. Variation of Terms
PT.Bursa Efek Indonesia is permitted to revise these Terms at any time as it sees fit, and by using this Website you are expected to review these Terms on a regular basis.

10. Assignment
PT.Bursa Efek Indonesia is allowed to assign, transfer, and subcontract its rights and/or obligations under these Terms without any notification. However, you are not allowed to assign, transfer, or subcontract any of your rights and/o
r obligations under these Terms.

11. Entire Agreement
These Terms constitute the entire agreement between PT.Bursa Efek Indonesia and you in relation to your use of this Desktop Application and supersede all prior agreements and understandings.

12. Governing Law & Jurisdiction
These Terms will be governed by and interpreted in accordance with the law of the State of Indonesia, and you submit to the non-exclusive jurisdiction of the state and federal courts located in Indonesia for the resolution of any dispu
tes.
Do you accept the terms in the license agreement? [y/N] █
```

4) Klik tombol Y/y untuk melanjutkan instalasi. Setelah tampilan gambar berikut. Isikan berturut-turut Broker Code, Broker Name dan Serial Number .

```
You have accepted the license agreement.
Please wait while JONECAgentClient7.1 is being installed...

Setup - JONECAgentClient7.1 version 1.0.0

Please Enter Registered Company and Product Serial Number
Broker Code          : VB_01
Broker Name          : CAKRATECH SECURITIES INDONESIA
Serial Number        : XMG12S3P8HKPMGV02K1Z
```

5) Berikutnya , untuk setting IP Address. Isikan Local IP Address pc remote access dan Server IP Address adalah lokasi IP Address JONECAgentServer8.4.

```
Setting IP Address

Set Local IP Address and Server IP Address
Please select one of [ 10.0.2.15 192.168.56.101 ]
Local IP Address      : 192.168.56.101
Server IP Address     : 192.168.56.102
```

6) Selanjutnya, isikan user name yang berhak untuk mengakses aplikasi JONECAgentClient8.4

```
Please Enter user for access this JONECAgentClient8.4 Desktop Application
User Name      : cjonec

/opt/JONECAgentClient8.4/linux64/bin/JAClientTray.sh
Setup - JONECAgentClient8.4 is finished successfully !
You can start this JONECAgentClient8.4 Desktop Application as cjonec from localhost xwindow at this: /opt/JONECAgentClient8.4/linux64/bin/JAClientTray.sh shell script file
Or remotely via ultraviewer/vncviewer at this: /opt/JONECAgentClient8.4/linux64/bin/JAClientTray.sh shell script file
tjonec@localhost ~$ remoteaccessJONECAgentLinux1#
```

Tekan Enter dan instalasi JONECAgentClient8.4 selesai.

3

Panduan Penggunaan

3.1 Penggunaan Aplikasi JONECAgentServer8.4

Setelah proses Instalasi Aplikasi JONECAgentServer8.4 berhasil dilakukan.

Fitur yang terdapat pada Aplikasi JONECAgentServer8.4 yaitu:

Start Aplikasi JONECAgent Server8.4 dan Stop Aplikasi JONECAgentServer8.4.

1) Start JONECAgentServer8.4

Dapat dilakukan dengan cara, sebagai user root. Lakukan langkah-langkah berikut ini :

- cd /opt/JONECAgentServer8.4
- ./start.sh [lalu tekan Enter]

2) Stop JONECAgentServer8.4

Dapat dilakukan dengan cara, sebagai user root. Lakukan langkah-langkah berikut ini :

- cd /opt/JONECAgentServer8.4
- ./stop.sh [lalu tekan Enter]

```
[root@localhost JONECAgentServer8.4]# pwd
/opt/JONECAgentServer8.4
[root@localhost JONECAgentServer8.4]# ll /*.sh
-rwxr-xr-x 1 root root 342 Nov  3 16:21 ./start.sh
-rwxr-xr-x 1 root root 202 Nov  3 16:21 ./stop.sh
[root@localhost JONECAgentServer8.4]#
```

3) Pengecekan Instalasi JONECAgentServer8.4

Untuk melakukan pengecekan Instalasi JONECAgentServer8.4 dapat dilakukan dengan cara yaitu:

- ps -aux|grep Dari Services, bisa di cek apakah service JONECAgentServer8.4 dalam status Running atau tidak.

```
[root@localhost JONECAgentServer8.4]# ps -aux|grep Agent
root    10716  7.5  1.7 5567304 141520 pts/0    Sl   16:23   0:06 /opt/JONECAgentServer8.4/linux64/jre/bin/java -cp ./JonecAgent-1.0.0.jar:lib/*: id.co.idx.jonec.agent.service.EngineLauncher
root    10836  0.0  0.0 112812   972 pts/0      S+   16:25   0:00 grep --color=auto Agent
```

- Dari command netstat melalui command line:

netstat -an|grep 3099

```
[root@localhost JONECAgentServer8.4]# netstat -an|grep 3099
tcp6      0      0 :::3099          :::*              LISTEN
[root@localhost JONECAgentServer8.4]#
```

3.2 Penggunaan Aplikasi JONECAgentClient8.4

Setelah proses Instalasi Aplikasi JONECAgentClient8.4 berhasil dilakukan. Lokasi aplikasi direktori ada di : /opt/JONECAgentClient8.4

Untuk dapat me-running aplikasi JONECAgentClient8.4, silahkan login dengan username yang telah ditentukan pada saat instalasi melalui aplikasi ultraviewer(untuk akses RHEL) atau vncviwer untuk akses CentOS.

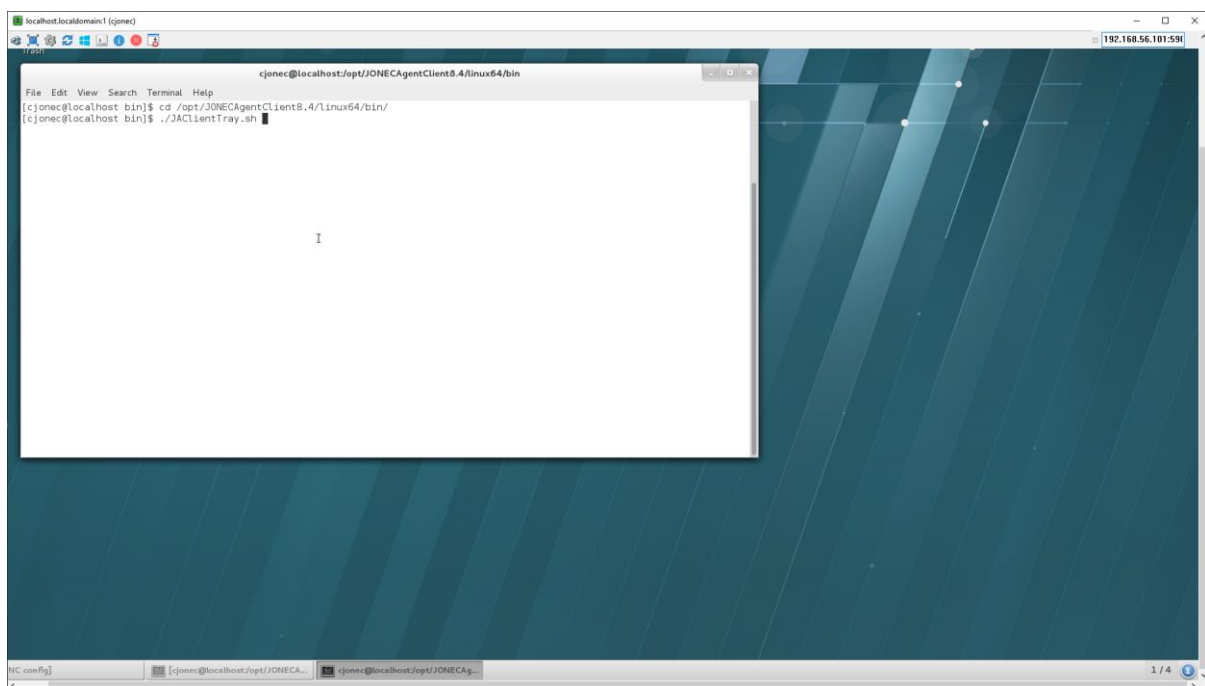
Pada contoh, digunakan ultraviewer dan akses RHEL 8.4


3.2.1 Menjalankan Aplikasi

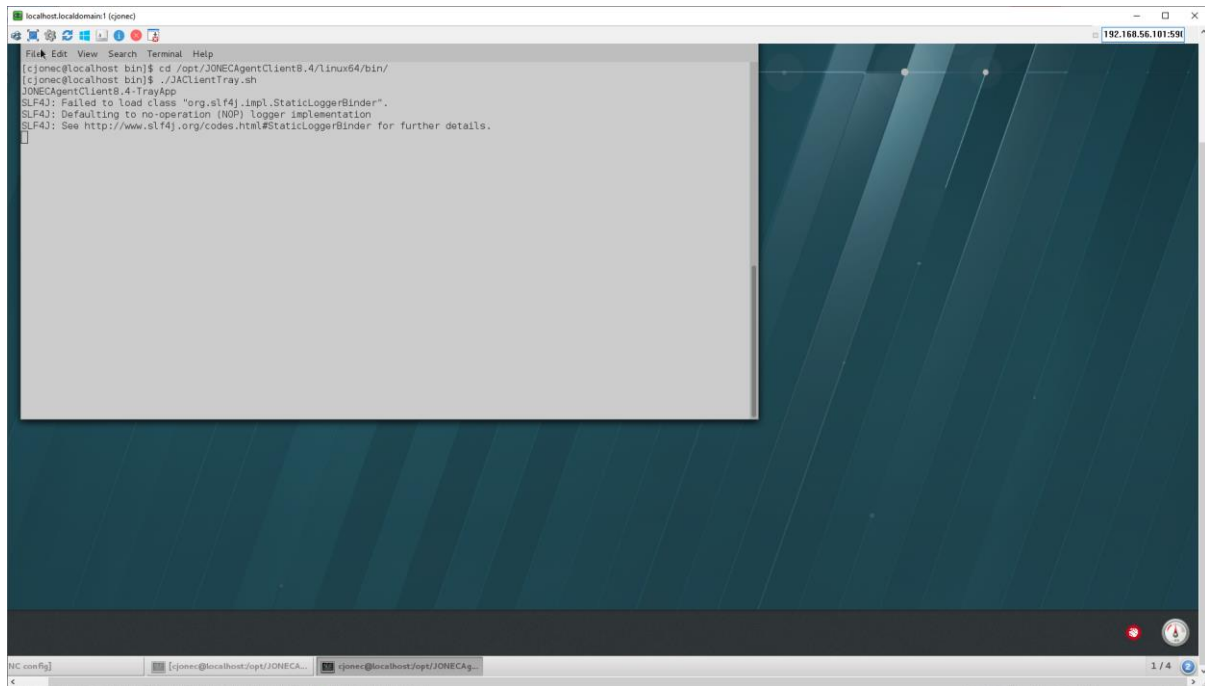
1) Setelah berhasil login, lakukan berturut-turut :


```
cd /opt/JONECAgentClient8.4/linux64/bin
```

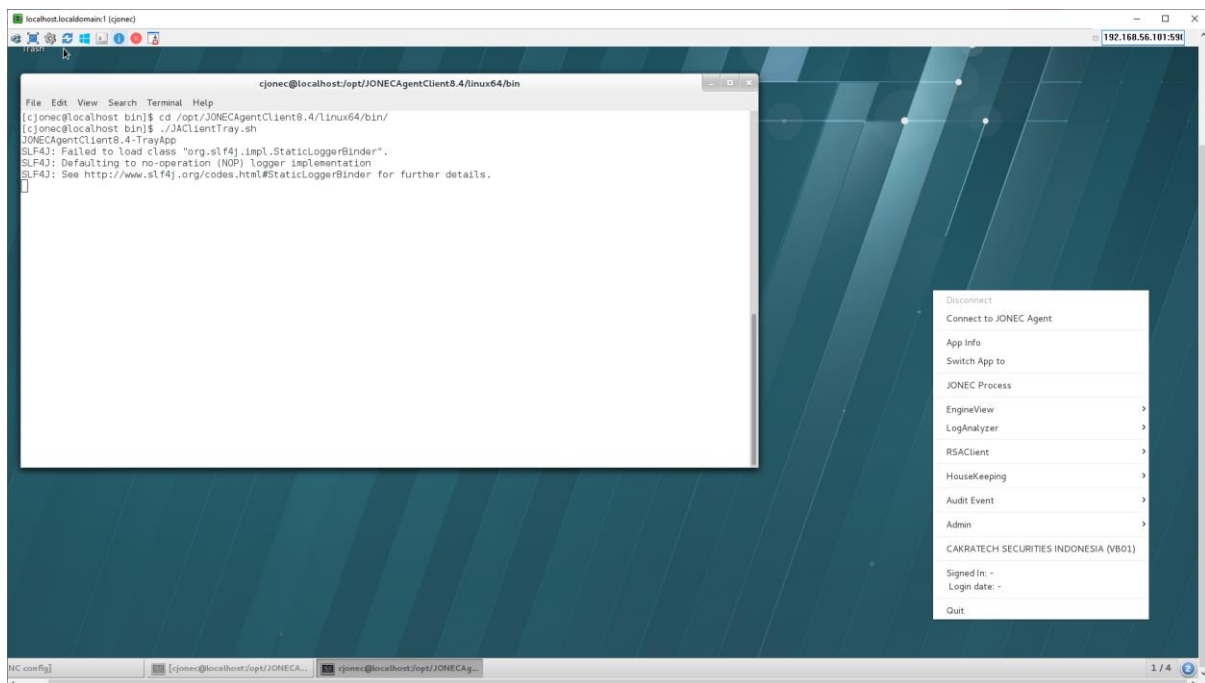
```
./JAClientTray.sh [lalu tekan Enter]
```



2) Selanjutnya akan tampil dilayar berikut ini. Klik pada icon  di pojok kanan bawah.



Pilih icon , dan klik tombol kiri mouse. Dan akan muncul tampilan



Catatan:

Tampilan dapat berbeda pada setiap laptop atau pc, OS RHEL/CentOS dengan tipe masing-masing xwindow yang dipakai .

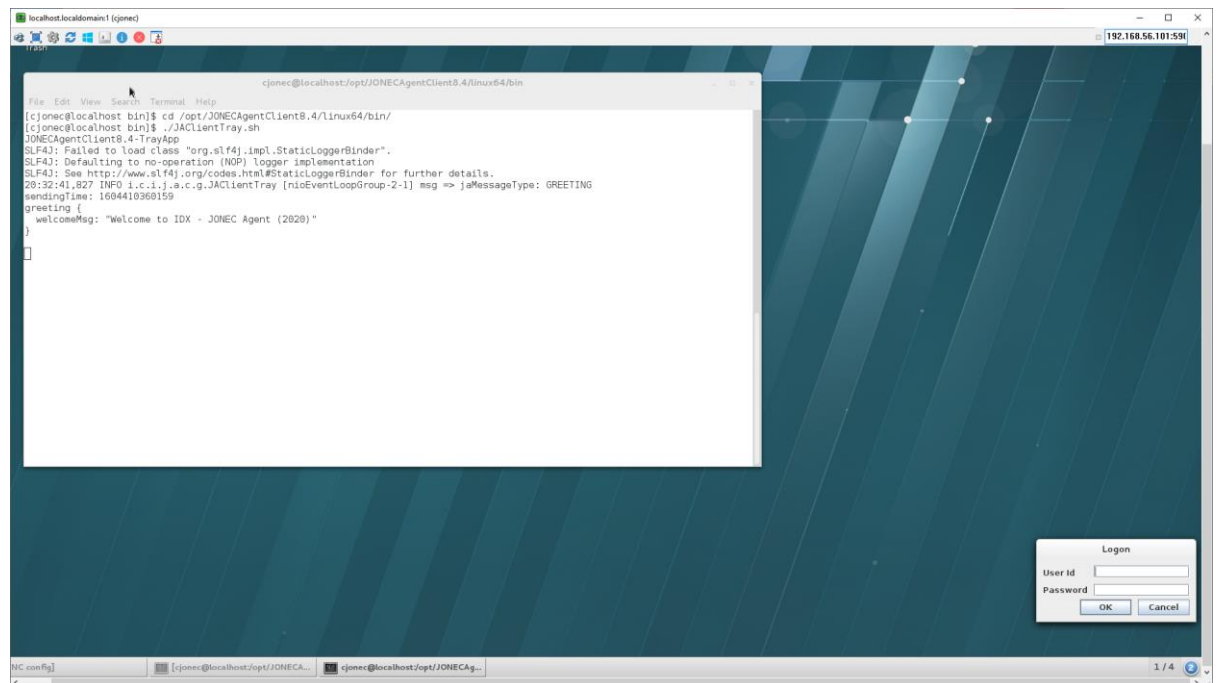
3.2.2 Menjalankan Fitur/Menu Aplikasi JONECAgentClient8.4

Berikut cara menjalankan Fitur/Menu pada Aplikasi JONECAgentClient8.4

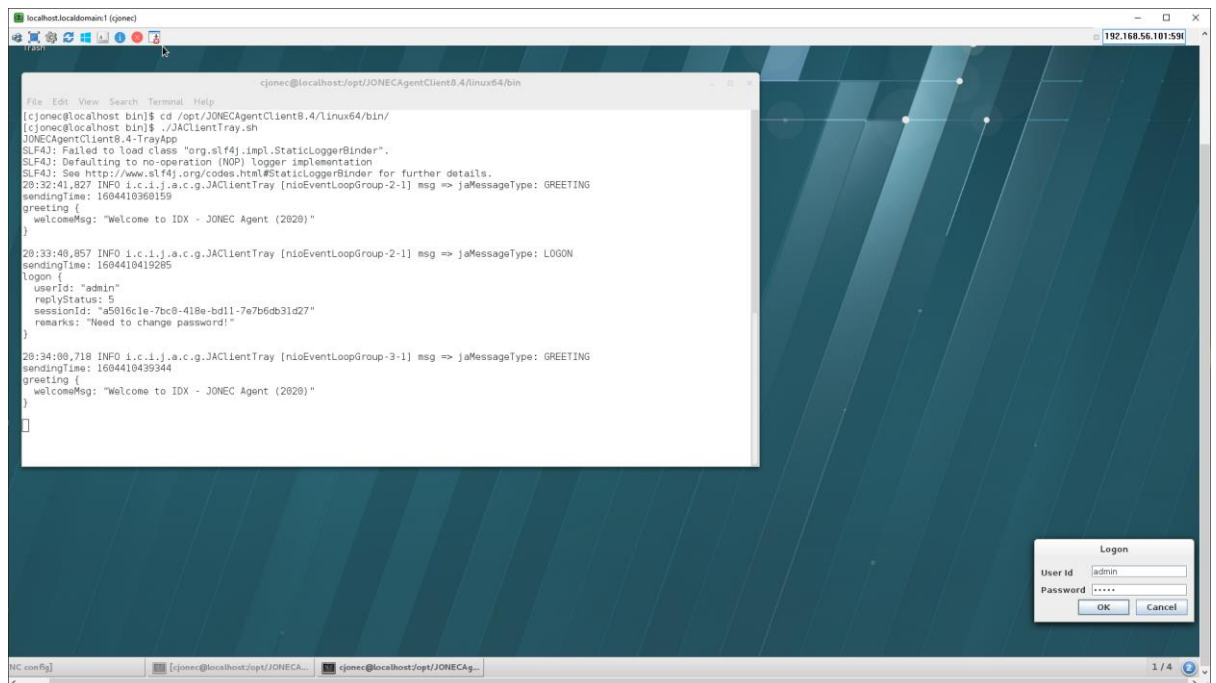
3.2.2.1 Connect to JONEC Agent

Connect to JONEC Agent bertujuan untuk melakukan koneksi dari JONECAgentClient8.4 ke JONECAgentServer8.4.

- 1) Klik Connect to JONEC Agent. Selanjutnya akan muncul tampilan Logon User ID dan Password.

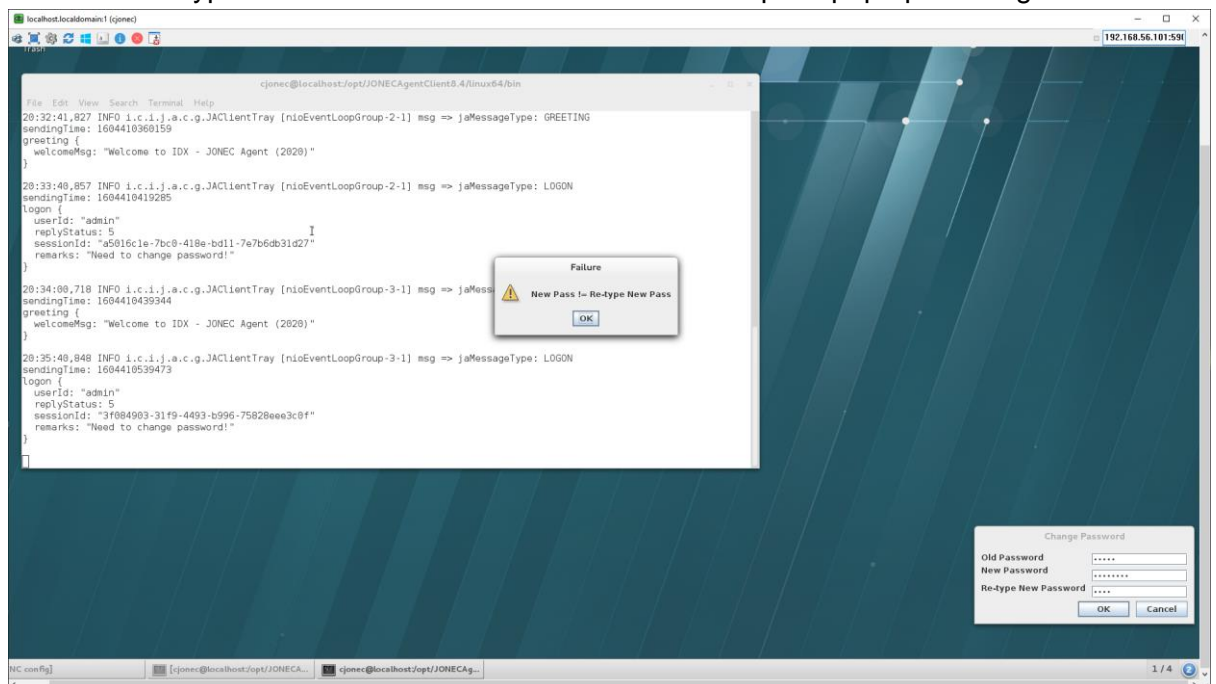


- 2) Selanjutnya masukkan User ID: admin dengan default Password: admin (contoh) kemudian Klik tombol "OK".

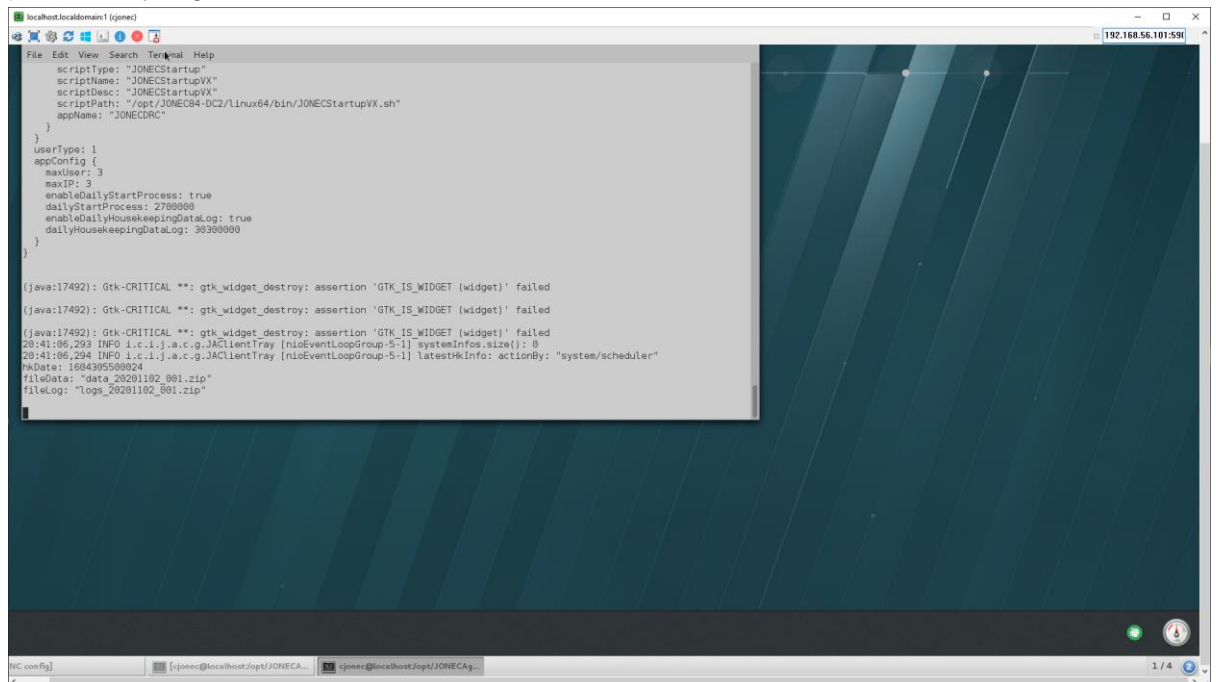


- 3) Selanjutnya masukkan User ID: admin dengan default Password: admin (contoh) kemudian Klik tombol “OK”. Pada kali pertama login dengan user : admin ada keharusan untuk mengganti password. Silahkan ganti password yang lama : admin dengan New Password sesuai dengan password yang diinginkan dan ulangi input New Password tersebut pada isian Re-type New Password.

Jika isian Re-type New Pass tidak sama akan muncul tampilan pop up message :



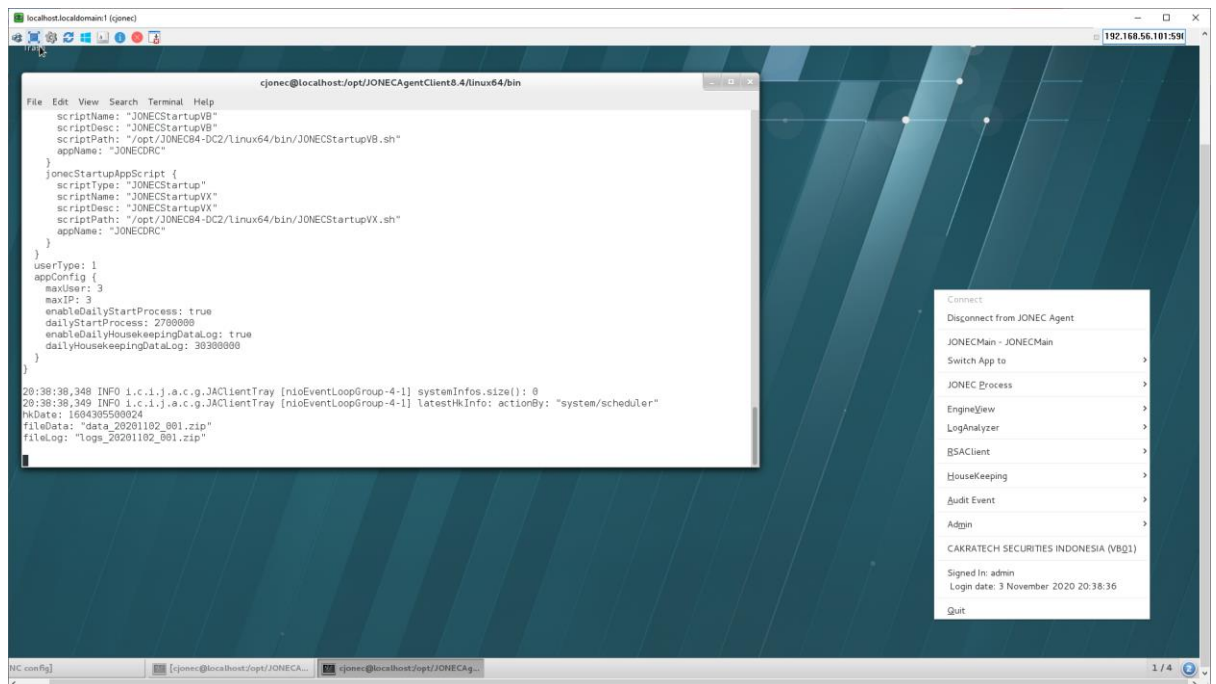
Ulangi sampai sama untuk isian NewPassword dan Re-type New Password. Berikutnya , ulangi proses Connect to JONEC Agent dengan user admin dan password yang baru, kemudian tekan OK.



Sebagai indikator VB - JONEC Agent Client Connected, icon JONECAgentClient8.4

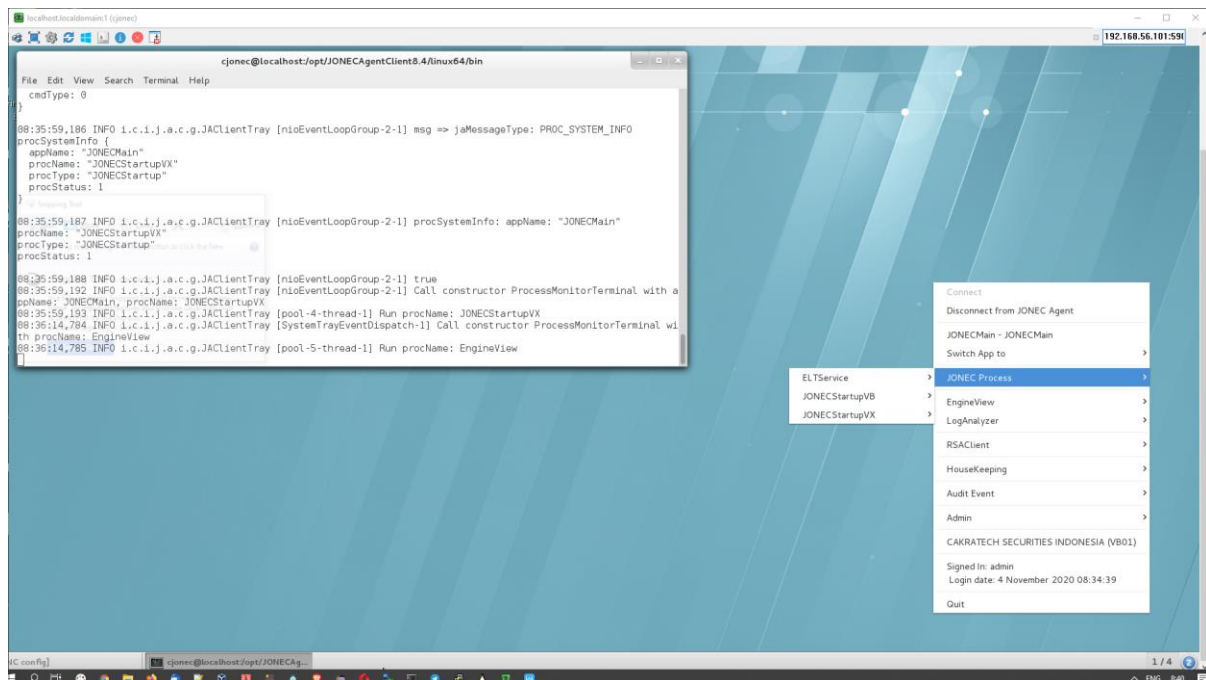


akan berubah warna menjadi hijau dan informasi Signed In: admin dan Login Date



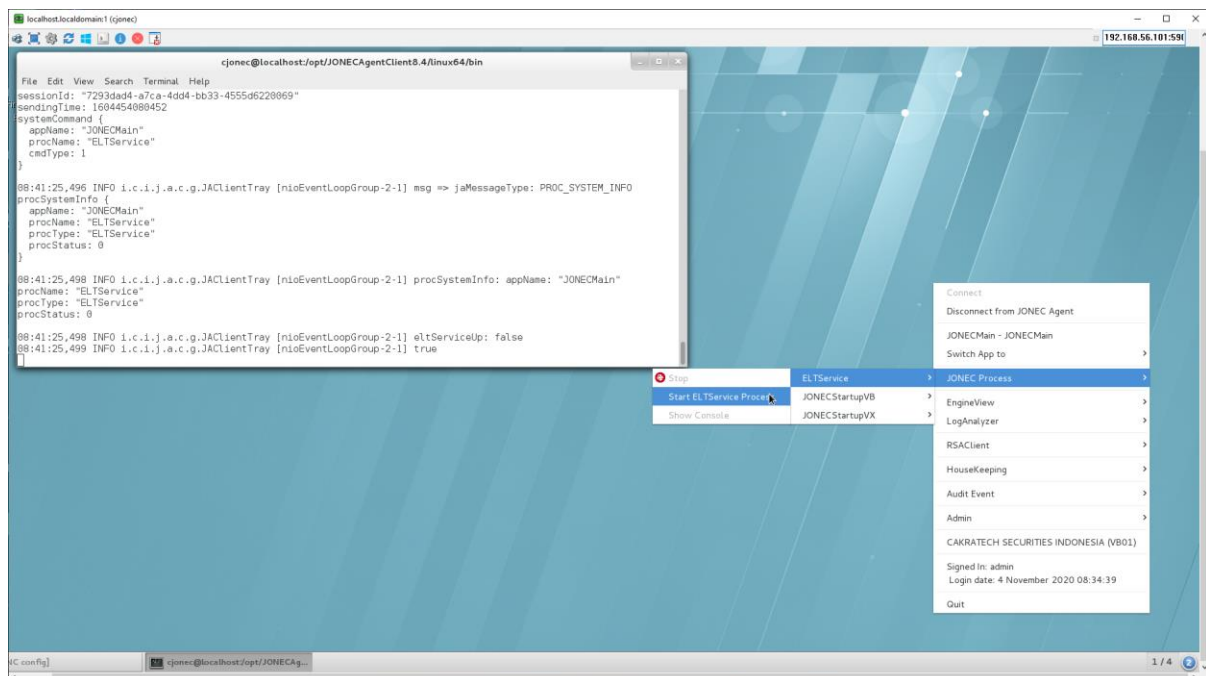
3.2.2.2 JONEC Process

Pada fitur/menu JONEC Process terdapat dua sub menu:

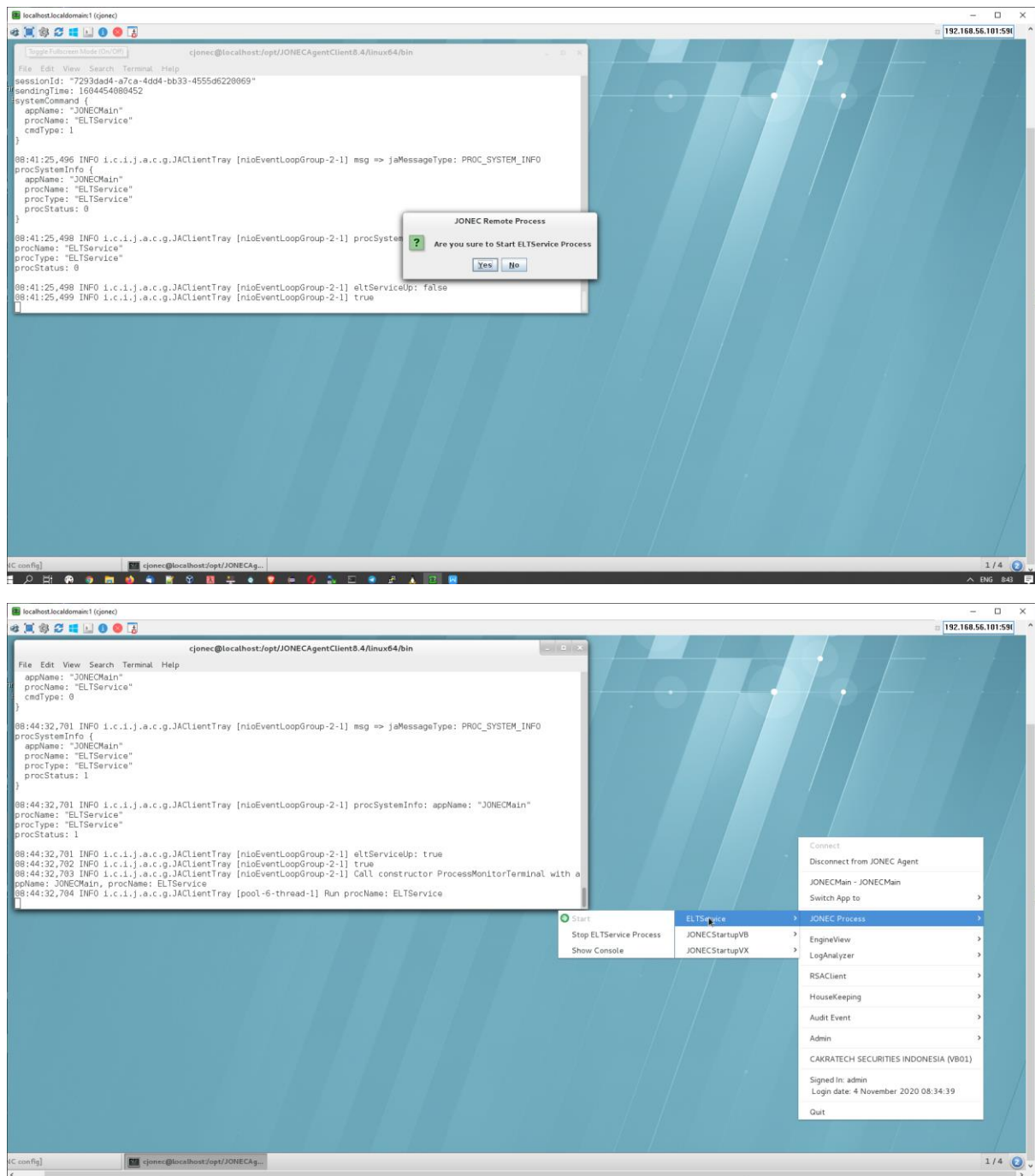


3.2.2.2.1 JONEC Process – ELTService

- 1) Klik JONEC Process - ELT Service - Start ELT Service untuk melakukan start ELTService.sh

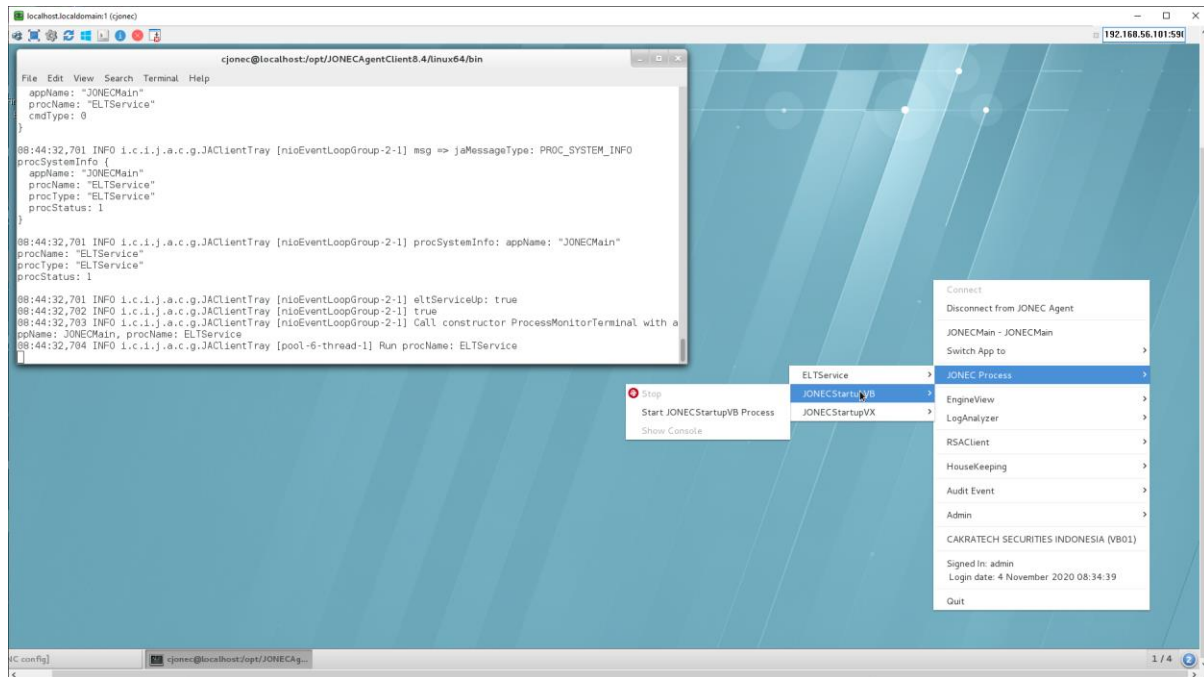


- 2) Selanjutnya muncul "Dialog Box" lalu Klik tombol "Yes"

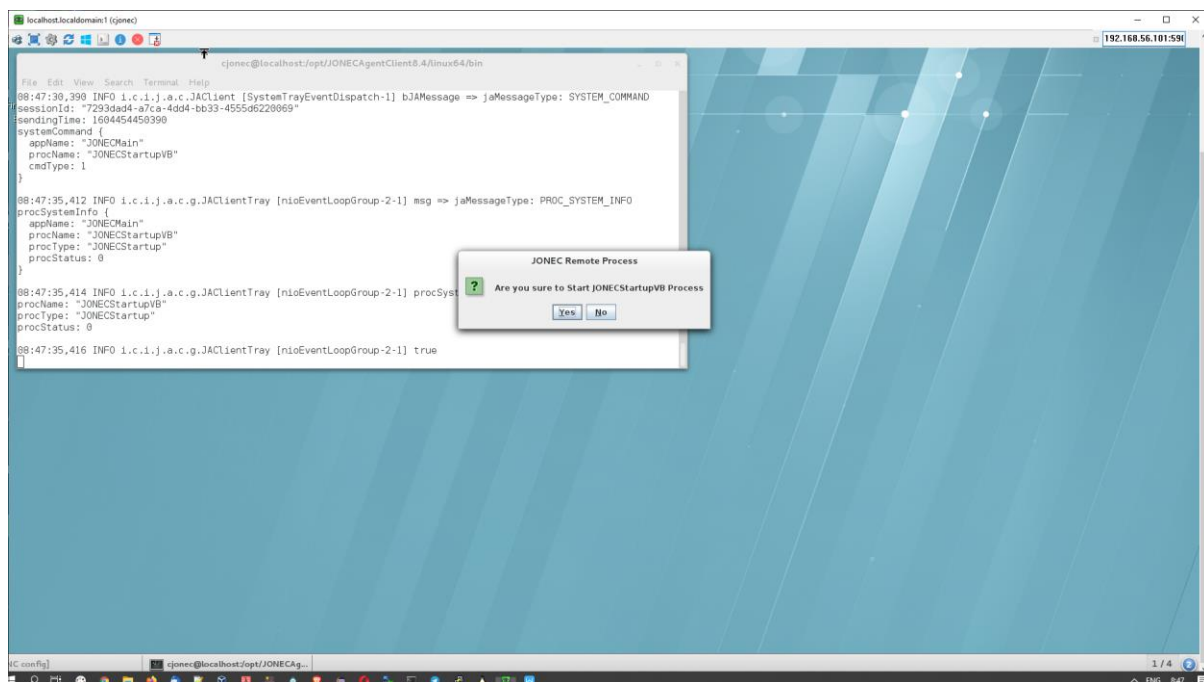


3.2.2.2 JONEC Process – JONECStartup

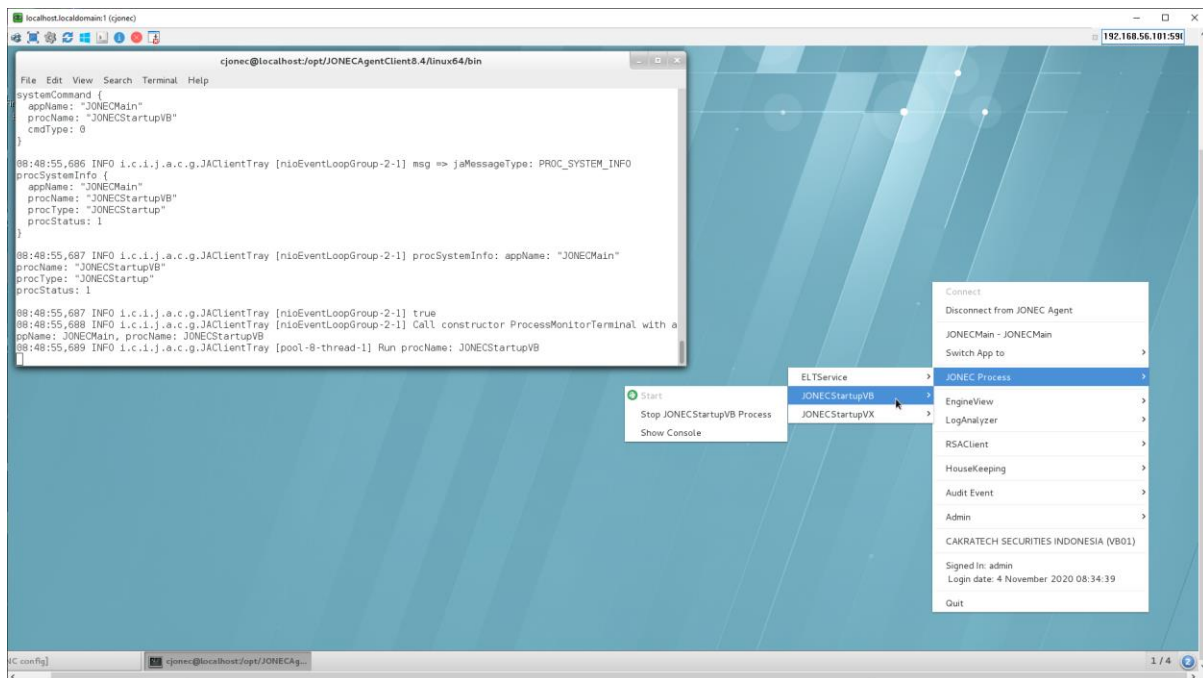
- 1) Klik JONEC Process - JONECStartupVB - Start JONEC StartupVB process untuk melakukan start JONECStartupVB.sh



- 2) Selanjutnya muncul “Dialog Box” lalu Klik tombol “Yes”



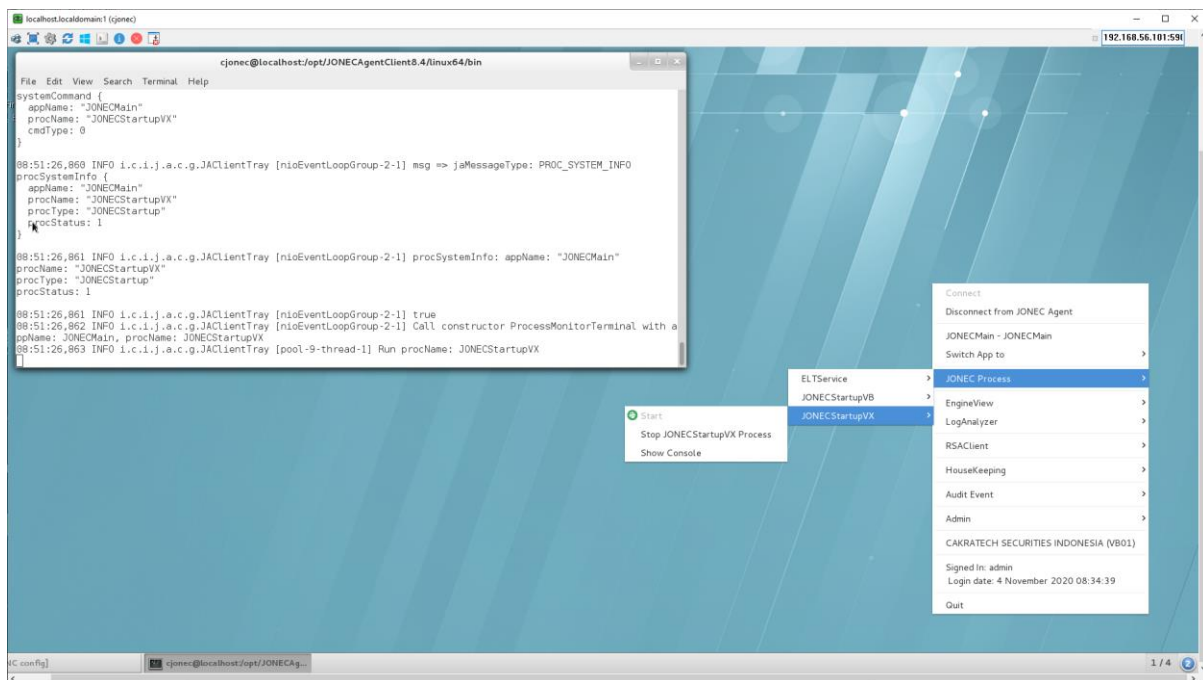
- 3) JONEC Main - JONECStartupVB , untuk versi Linux console tidak akan aktif.



Untuk mengecek kalau ELTService dan JONECStartupVB sudah aktif bisa di cek silang pada host JONECAgentServer8.4 dengan perintah : `ps -aux|grep JON` , dan user root.

```
[root@localhost JONECAgentServer8.4]# ps -aux|grep JON
root      7847   1.6  2.2 5779056 180748 pts/0    S1   08:32   0:17 /opt/JONECAgentServer8.4/linux64/jre/bin/java -cp .:JonecAgent-1.0.0.jar:lib/*: id.co.idx.jonec.agent.service.EngineLauncher
root      9323   0.0  0.0 113288 1564 pts/0      S   08:44   0:00 /bin/sh /opt/JONEC84-DC1/linux64/bin/ELTService.sh
root      9331   0.0  0.0 113288 1564 pts/0      S   08:48   0:00 /bin/sh /opt/JONEC84-DC1/linux64/bin/JONECStartupVB.sh
root      9452   0.0  0.0 112816  972 pts/0      S+   08:49   0:00 grep --color=auto JON
```

4) Ulangi langkah 1 dan langkah 2 untuk melakukan start JONECStartupVX.sh

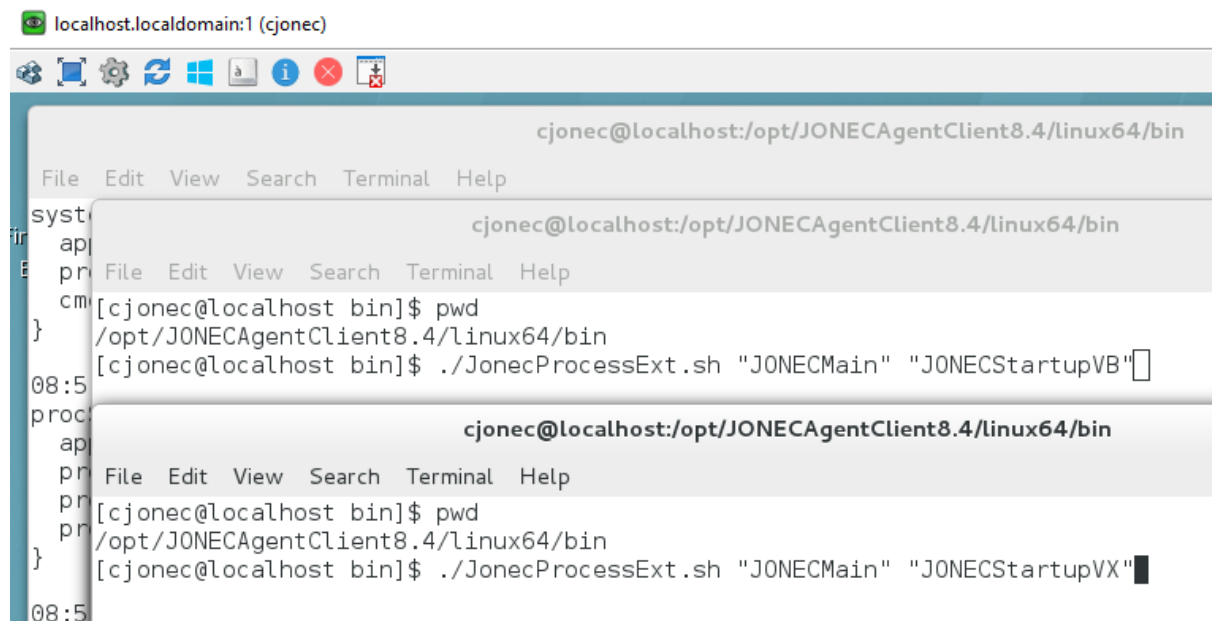


Cek lagi dengan perintah yang sama dengan user root pada host JONECAgentServer8.4

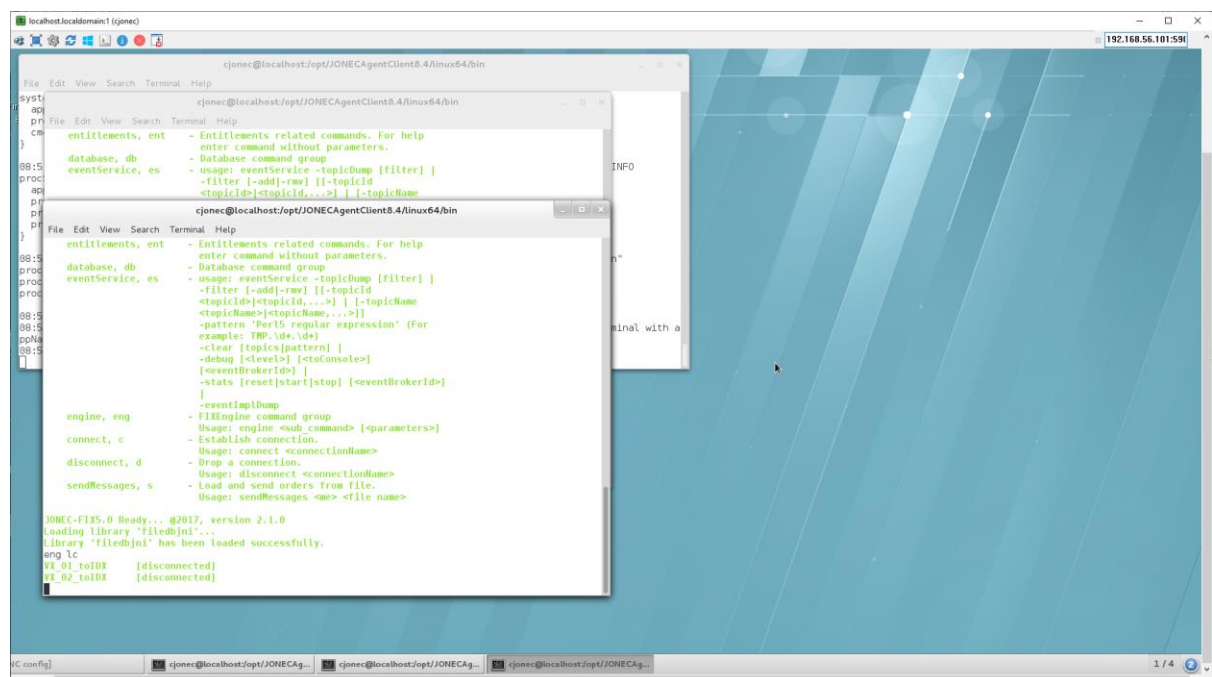
```
[root@localhost JONECAgentServer8.4]# ps -aux|grep JON
root      7847   1.5  2.3 5790528 185272 pts/0    S1   08:32   0:19 /opt/JONECAgentServer8.4/linux64/jre/bin/java -cp .:JonecAgent-1.0.0.jar:lib/*: id.co.idx.jonec.agent.service.EngineLauncher
root      9328   0.0  0.0 113288 1564 pts/0      S   08:44   0:00 /bin/sh /opt/JONEC84-DC1/linux64/bin/ELTService.sh
root      9331   0.0  0.0 113288 1564 pts/0      S   08:48   0:00 /bin/sh /opt/JONEC84-DC1/linux64/bin/JONECStartupVB.sh
root      9594   0.0  0.0 113288 1560 pts/0      S   08:51   0:00 /bin/sh /opt/JONEC84-DC1/linux64/bin/JONECStartupVX.sh
root      9775   0.0  0.0 112816  972 pts/0      S+   08:53   0:00 grep --color=auto JON
```

Jika ingin melihat console dari masing-masing JONECStartupVB dan JONECStartupVX. Buka 2 terminal console , pindah pada direktory /opt/JONECAgentClient8.4 dan ketik :

- ./JonecProcessExt.sh "JONECMain" "JONECStartupVB" untuk memonitor proses JONECStartupVB dan
- ./JonecProcessExt.sh "JONECMain" "JONECStartupVX" untuk memonitor proses JONECStartupVX



Setelah ke-2 command tersebut diatas dilakukan, akan tampil console JONECStartupVB dan JONECStartupVX, seperti tampak dalam gambar berikut ini.

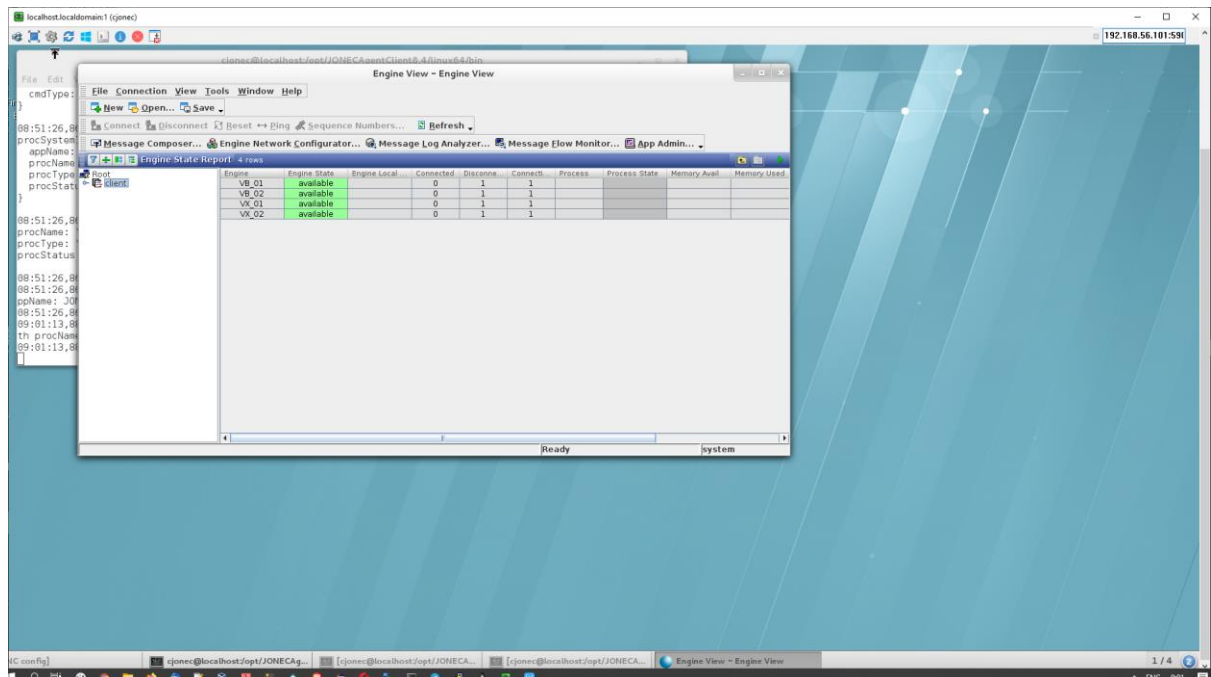


Tampilan koneksi akan terkait dengan koneksi yang ada pada enginenetwork.xml dan instance JONECMain maupun JONECDRC .

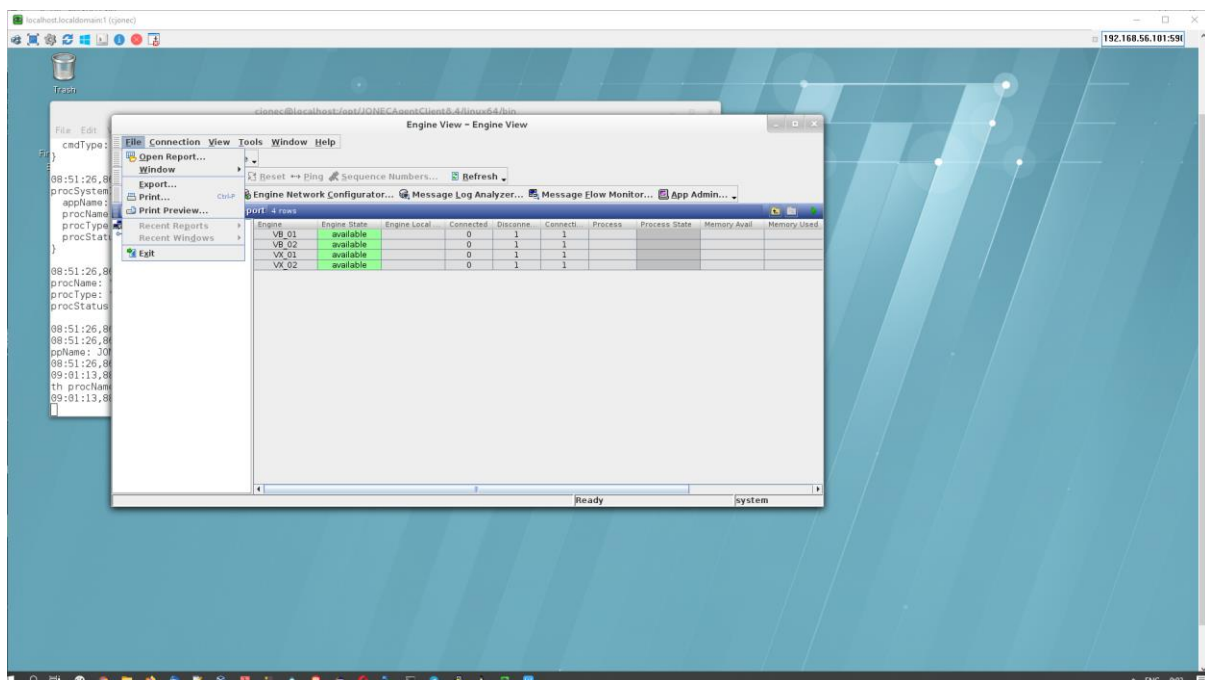
3.2.2.3 Engine View

Menu ini digunakan untuk membuka Engine View.

1) Klik Menu EngineView - Show Console.



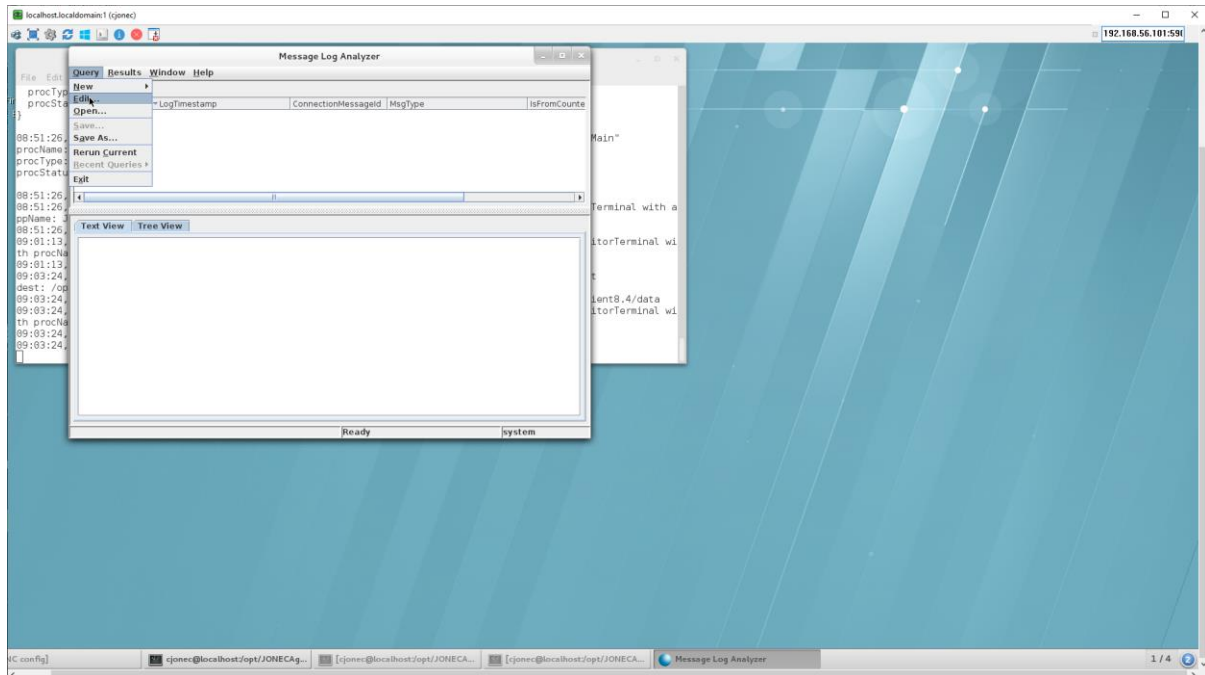
2) Untuk keluar dari Menu EngineView , klik File - Exit.



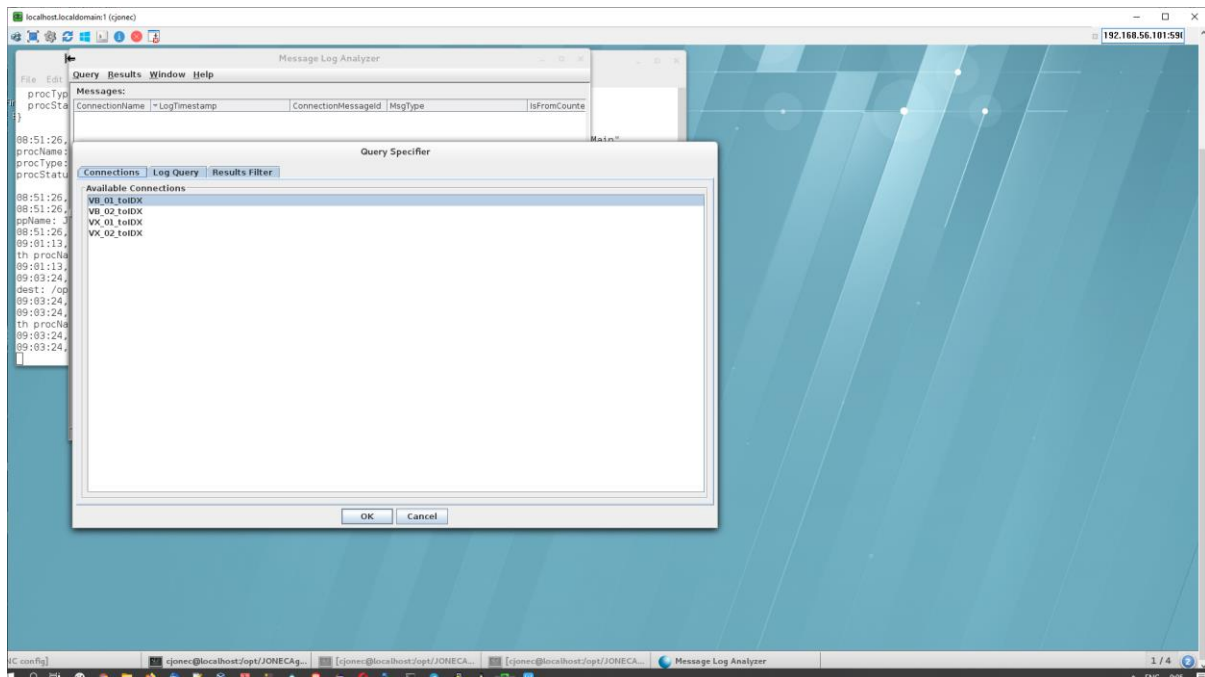
3.2.2.4 Log Analyzer

Menu ini digunakan untuk membuka Log Analyzer.

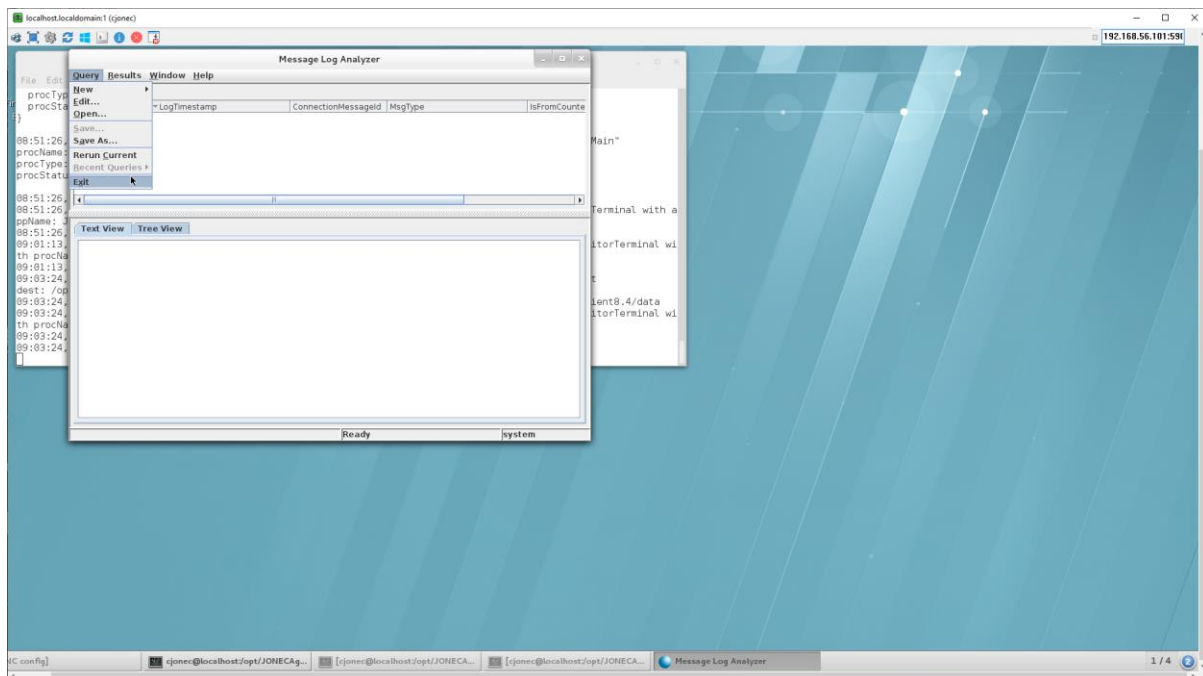
- 1) Klik Log Analyzer - Show Console.



Dan selanjutnya, digunakan sebagaimana seperti biasanya.

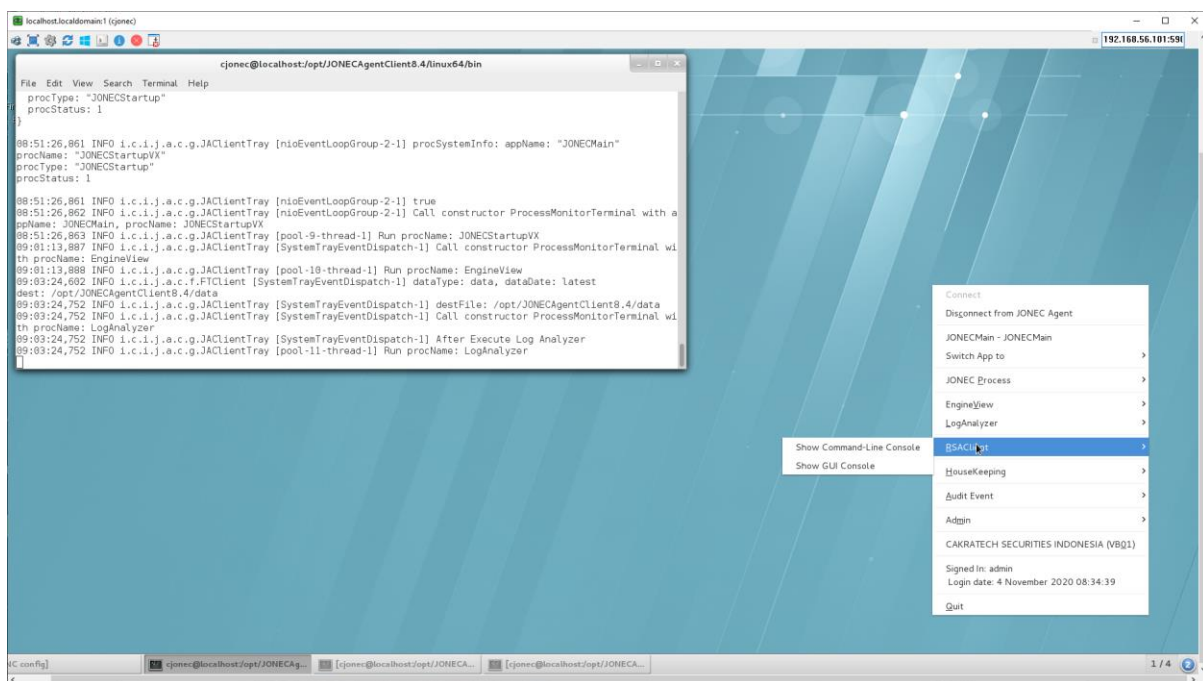


- 2) Untuk Keluar dari Message Log Analyzer, klik Query – Exit



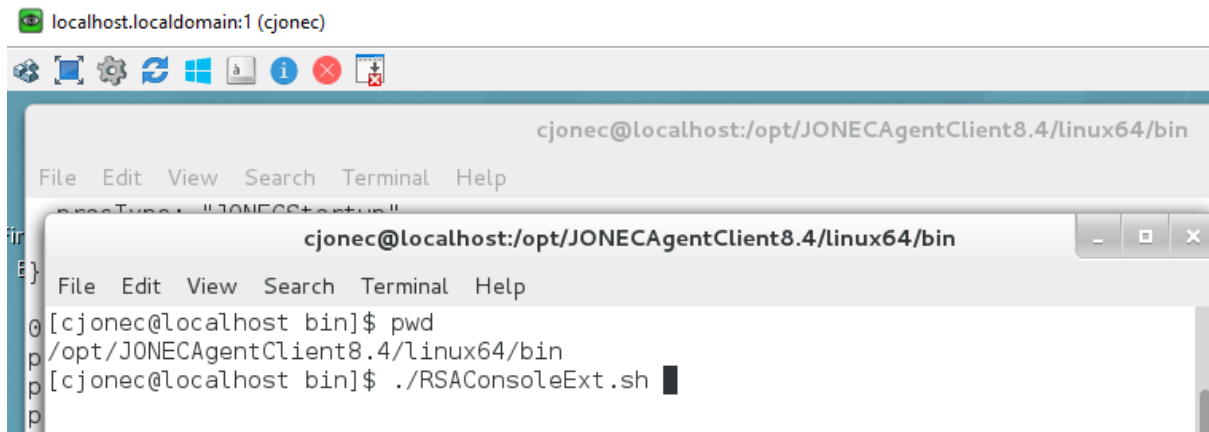
3.2.2.5 RSA Client

Pada Menu RSA Client terdapat dua submenu:

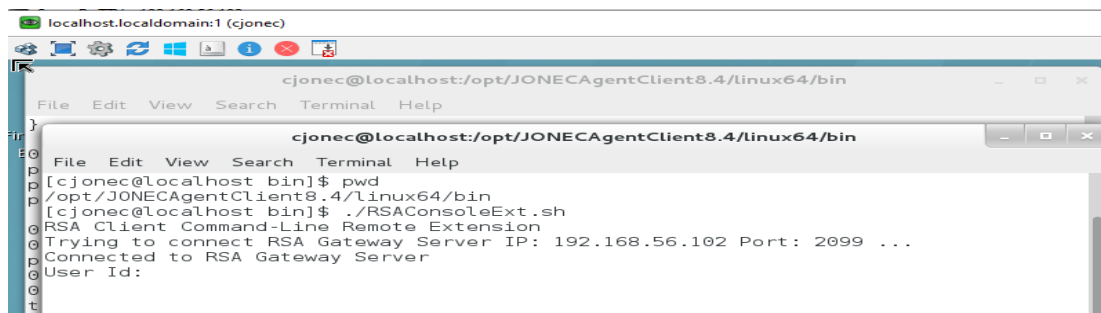


3.2.2.5.1 Sub Menu RSA Client – Command Line Console

- 1) Untuk menampilkan console RSAClient, dari direktory /opt/JONECAgentClient8.4.
Ketik ./RSAConsoleExt.sh



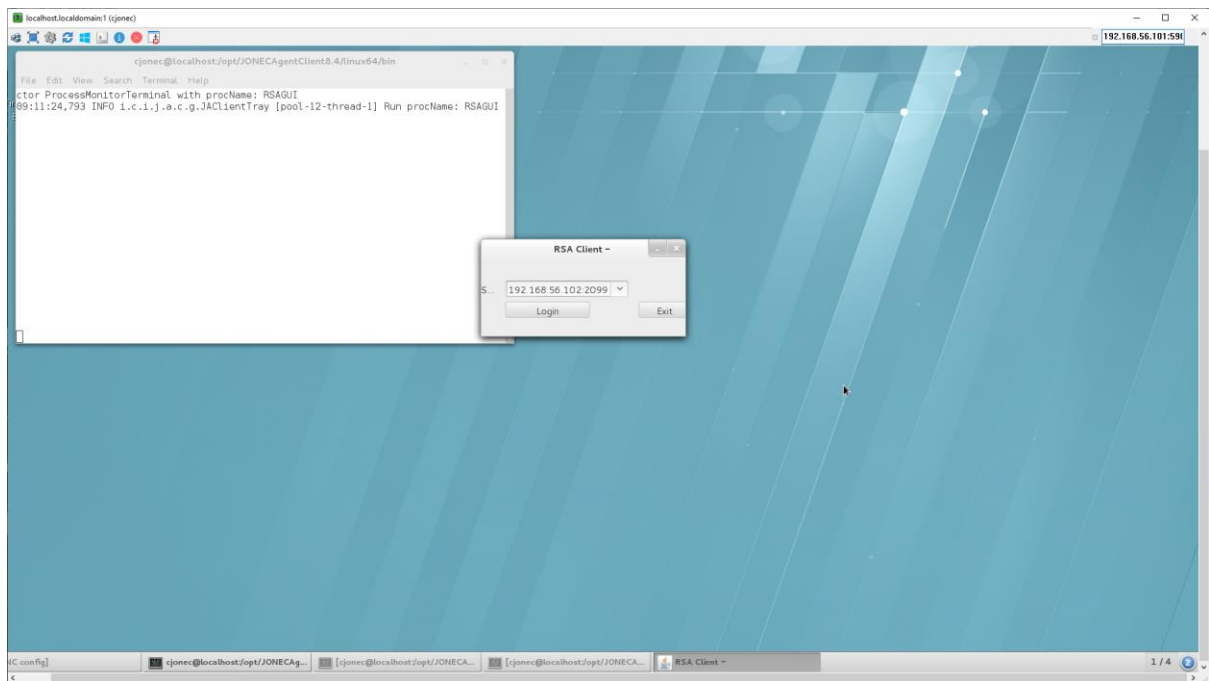
2) Setelah tekan tombol Enter :



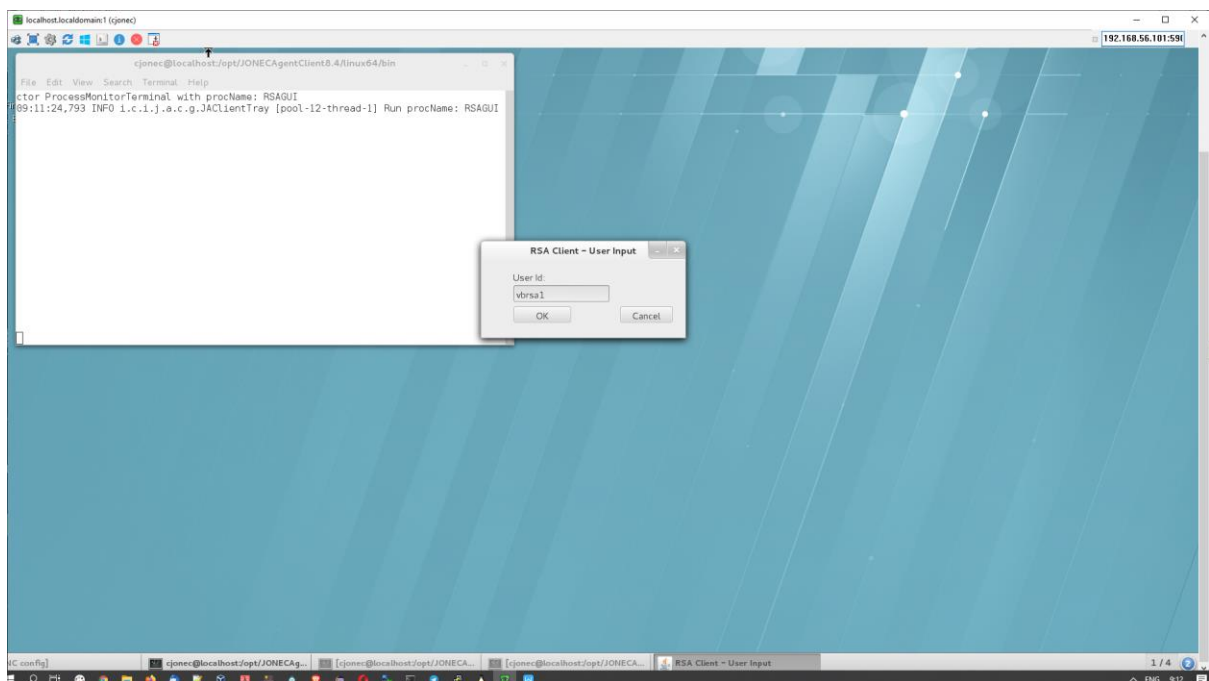
3) Selanjutnya lakukan aktifitas koneksi RSA Client dengan meng-input User Id dan Token sebagaimana biasanya.

3.2.2.5.2 Sub Menu RSA Client – GUI Console

1) Klik sub menu Show GUI Console.



2) Masukan UserID



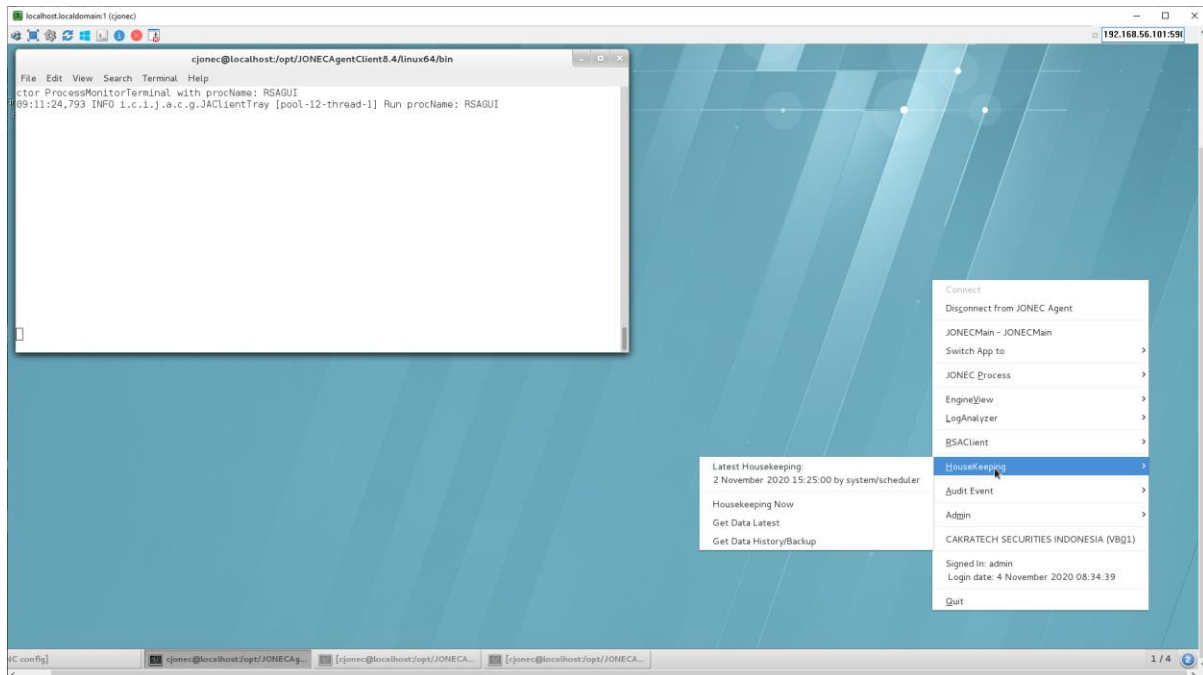
3) Klik tombol “OK” untuk proses selanjutnya.

3.2.2.6 House Keeping

Pada Fitur/Menu House Keeping terdapat 4 submenu:

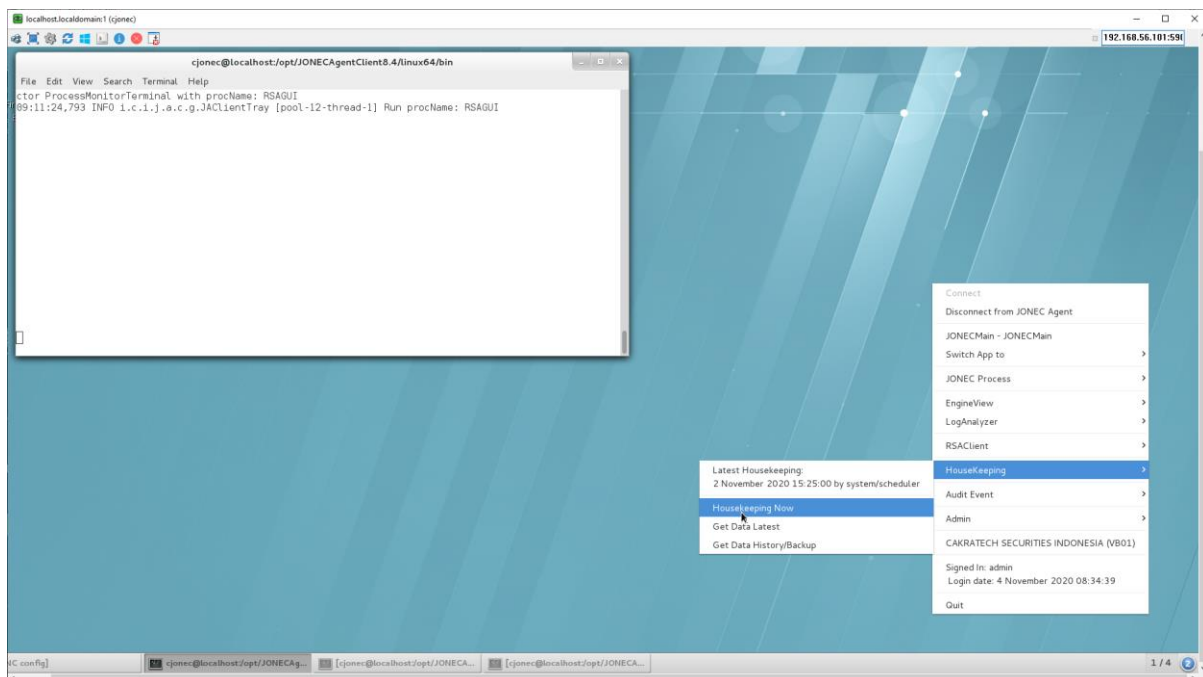
3.2.2.6.1 House Keeping – Lates Info

Merupakan informasi kegiatan housekeeping yang dilakukan terakhir



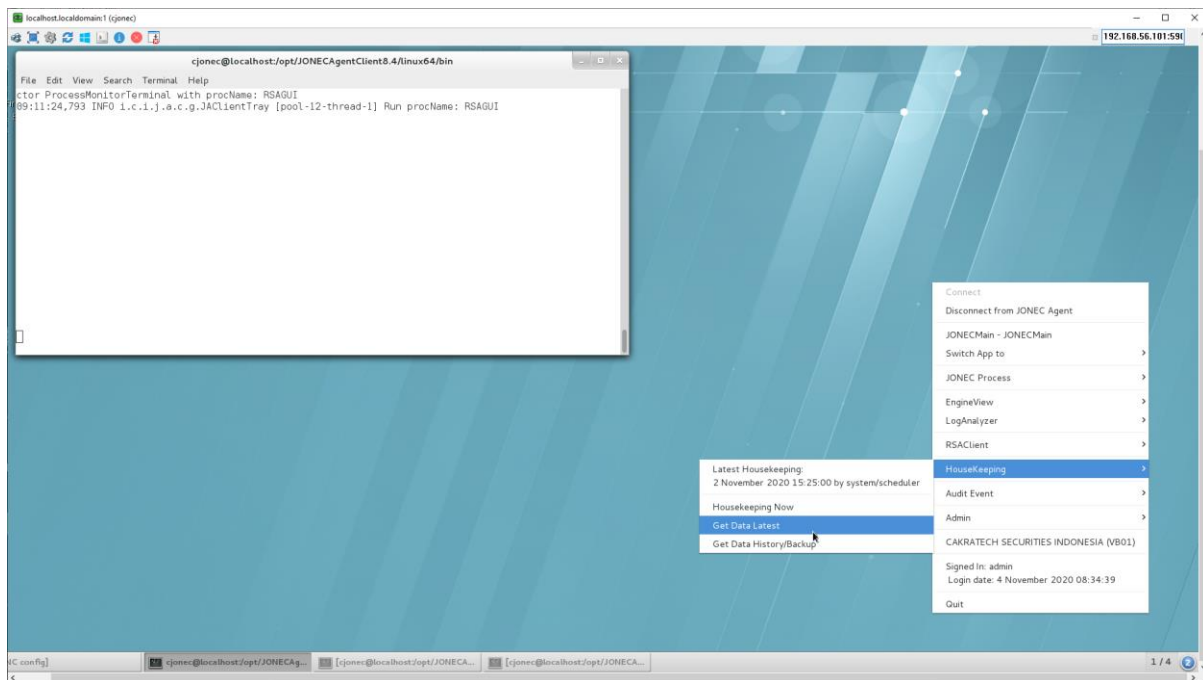
3.2.2.6.2 House Keeping – Now

Fitur untuk melakukan housekeeping.



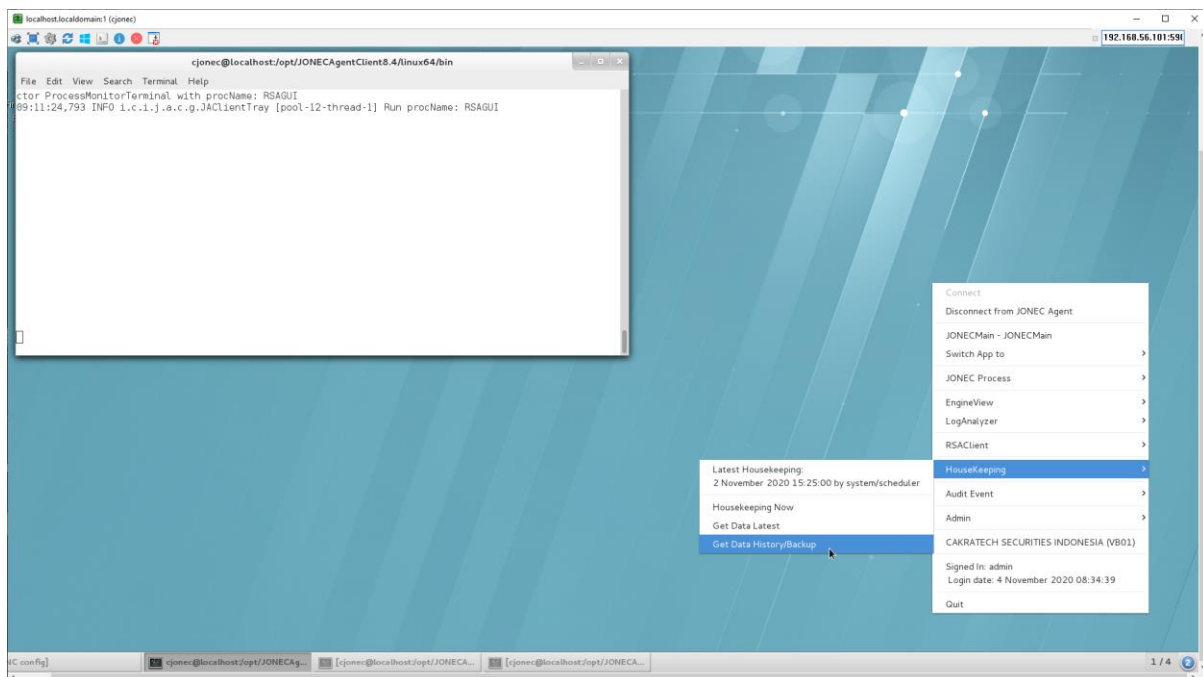
3.2.2.6.3 House Keeping – Get Data Latest

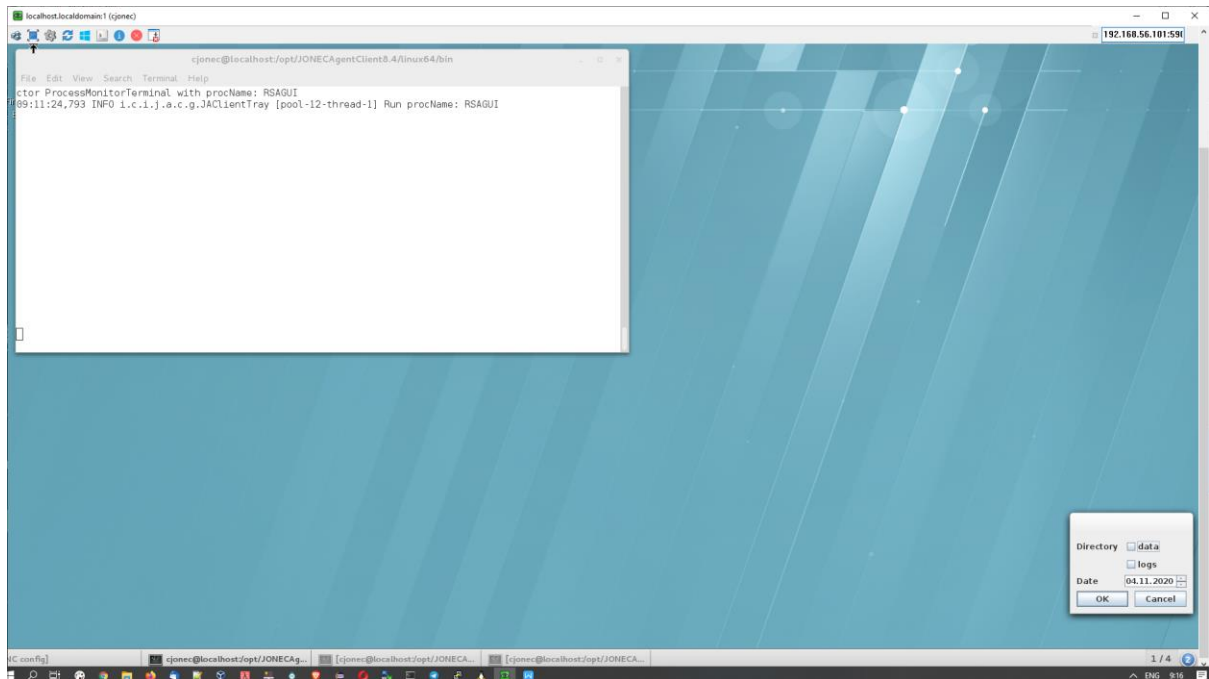
Fitur untuk meng-copy direktori data dan log dari JONEC Agent Server.



3.2.2.6.4 House Keeping – Get Data History/Backup

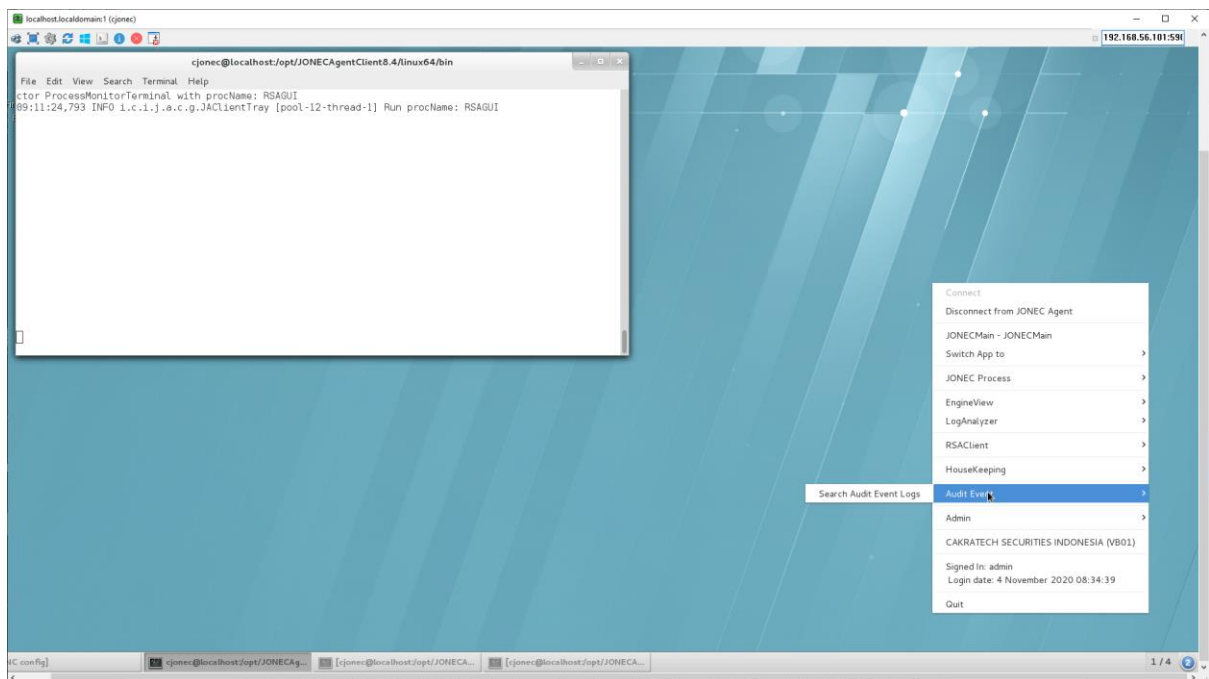
Fitur yang digunakan untuk meng-copy histori direktori data dan log dari JONEC Agent Server berdasarkan pilihan tanggal.



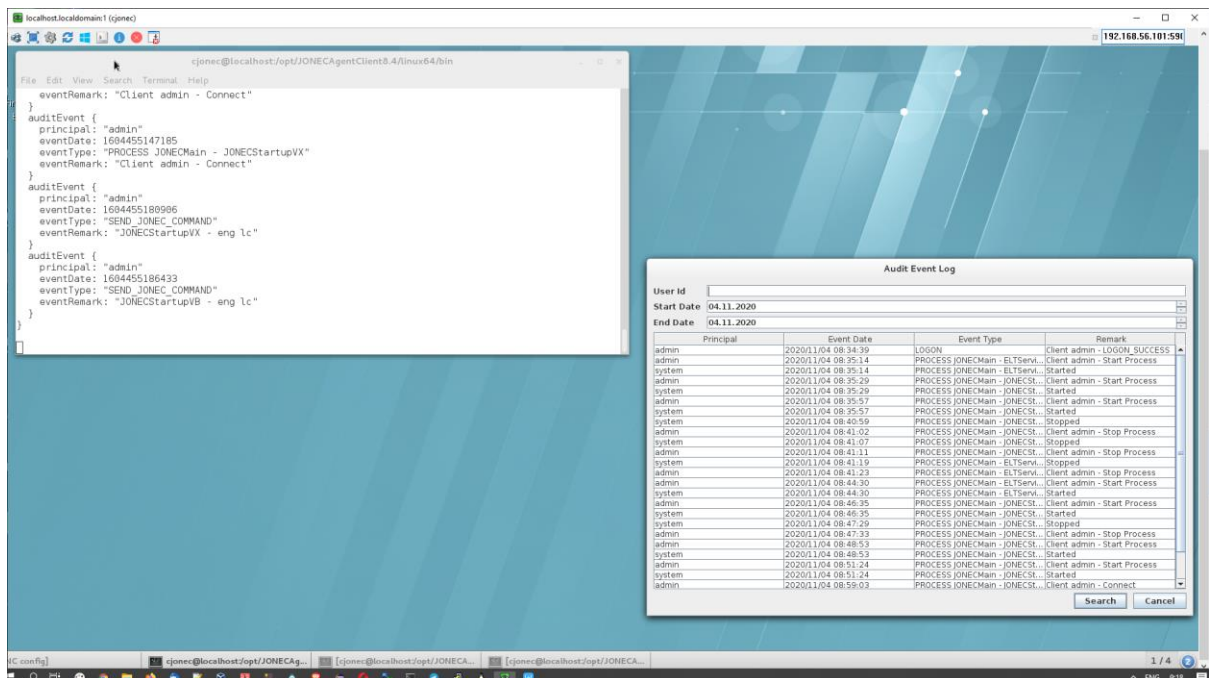


3.2.2.7 Audit Event

Fitur untuk Audit Event, event log monitoring untuk keperluan audit

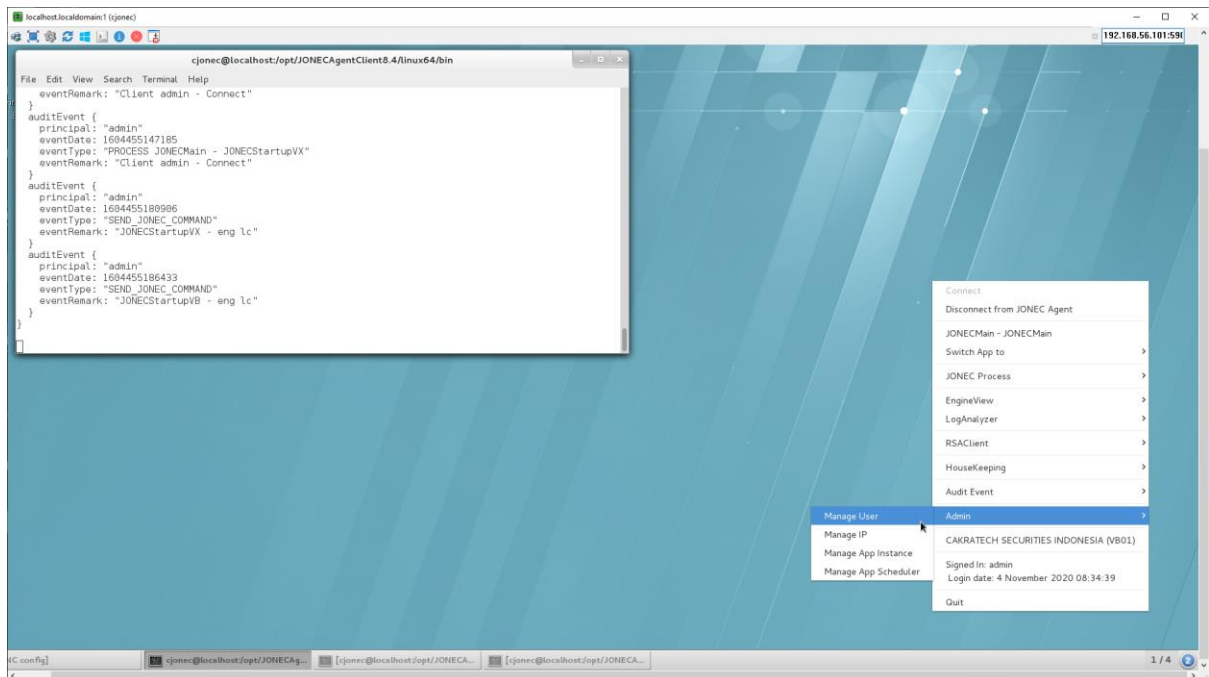


Dari menu Audit Event ini bisa kita query Event Log berdasarkan User Id, Start Date dan End Date.



3.2.2.8 Admin

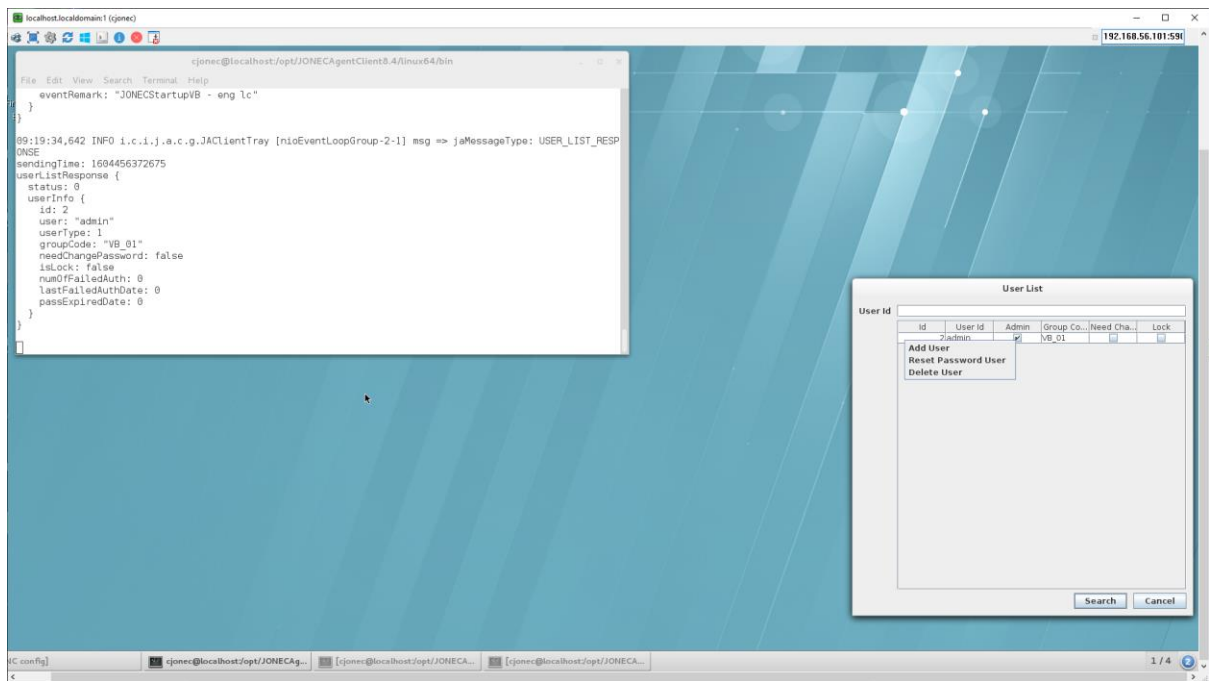
Pada fitur/menu Admin terdapat 4 submenu:



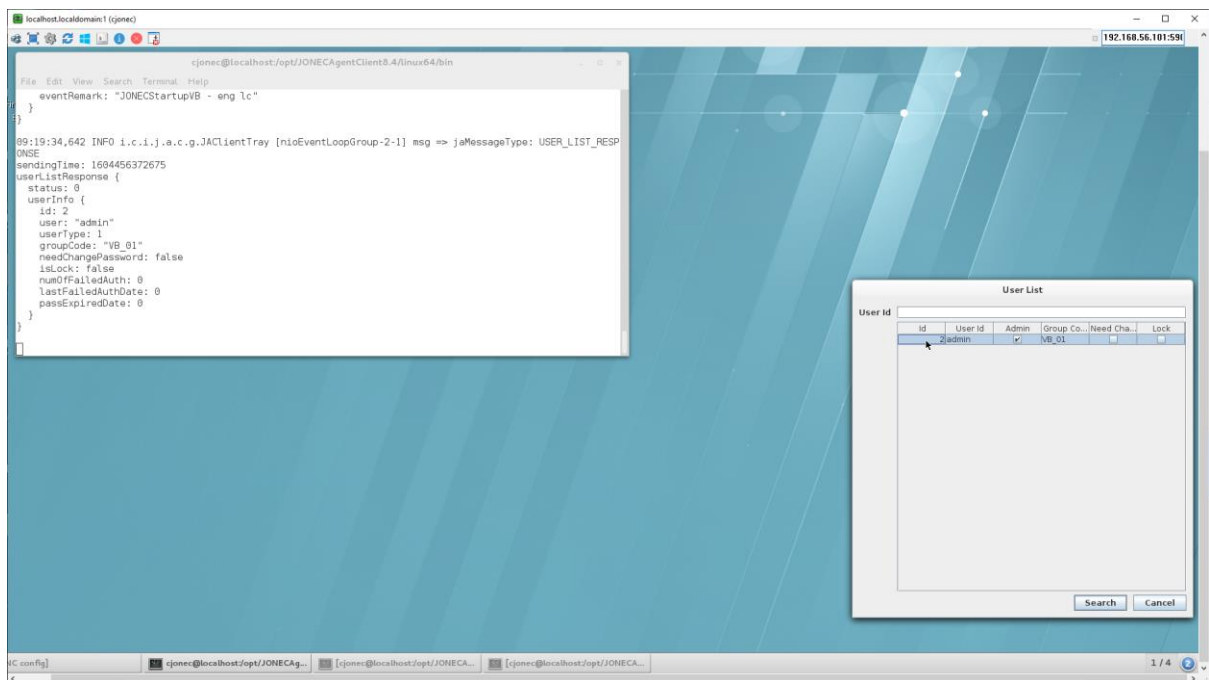
3.2.2.8.1 Admin-Manage User

Fitur untuk keperluan pengelolaan user yang diberikan akses untuk login JONEC Agent Client.

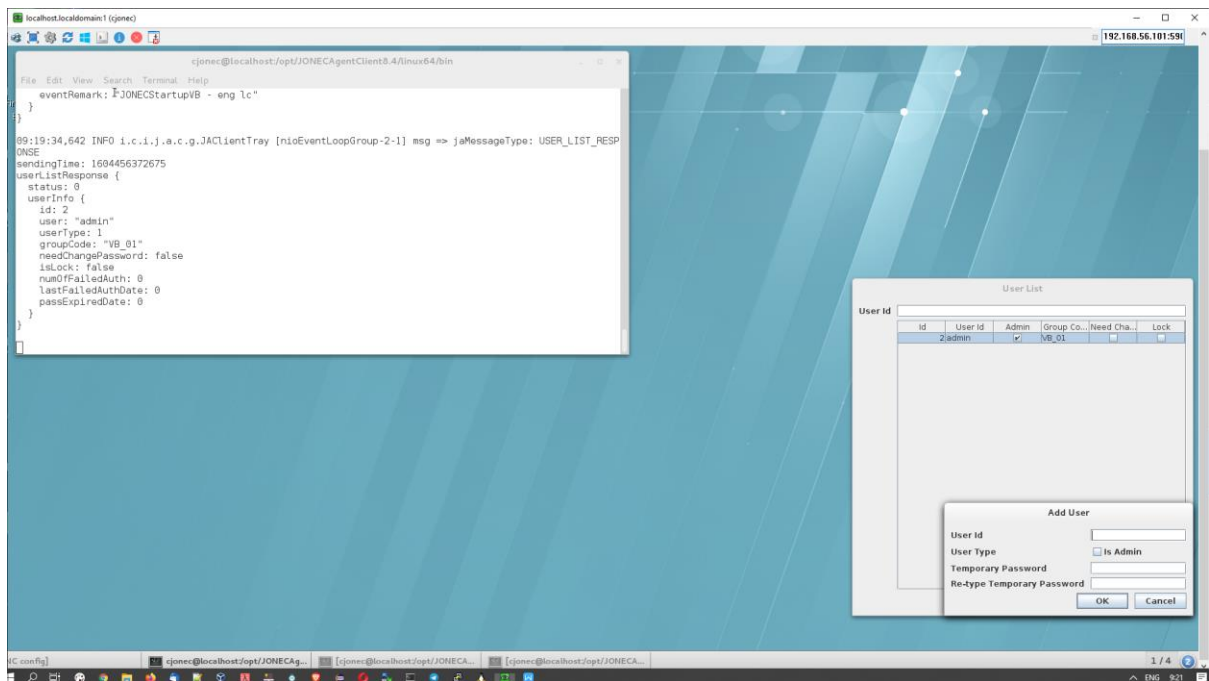
Pengelolaan User antara lain: Add User, Reset Password User dan Delete User.



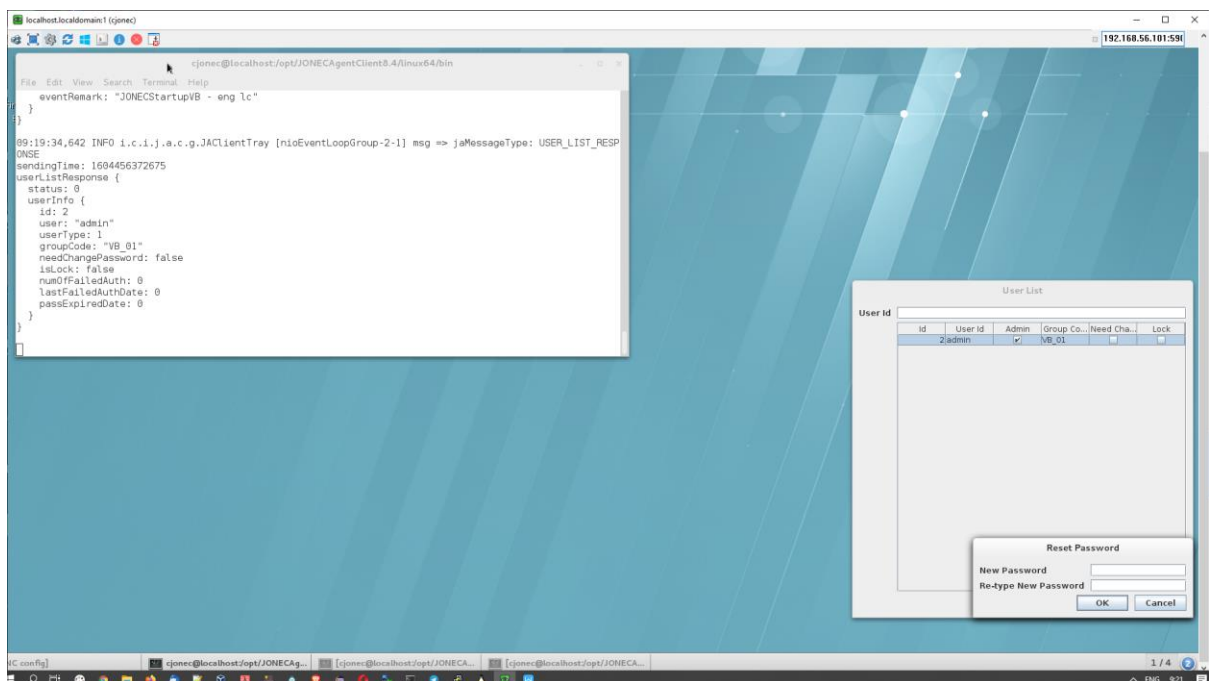
1) User List



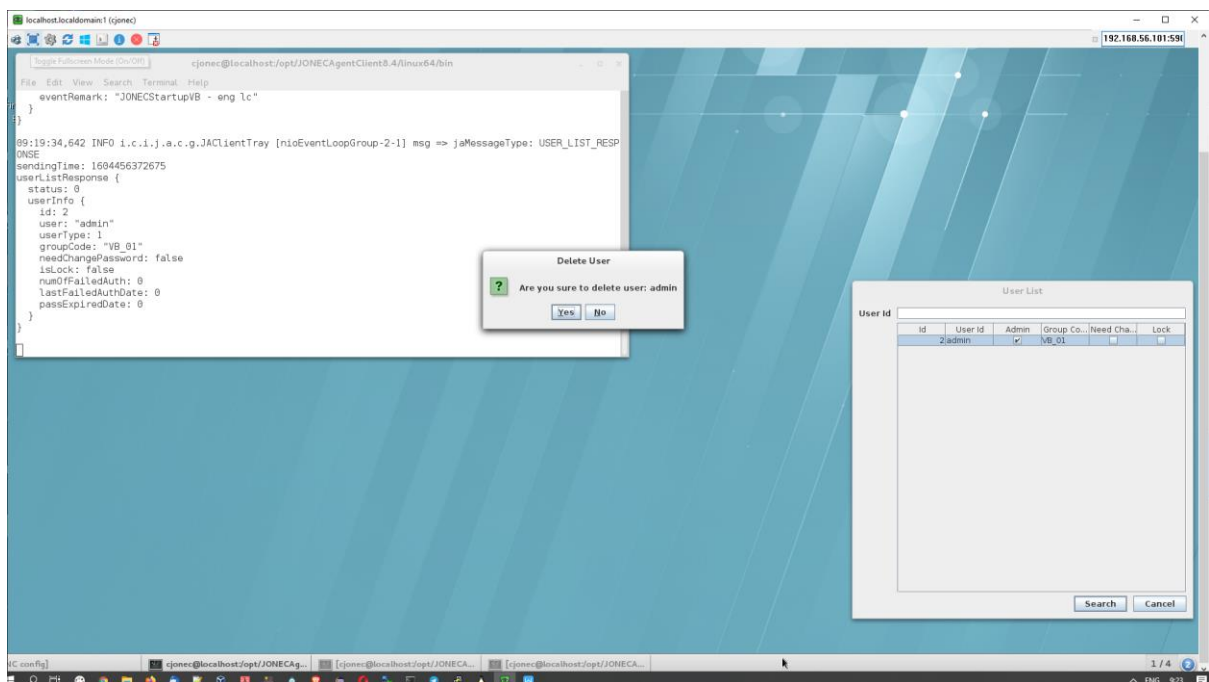
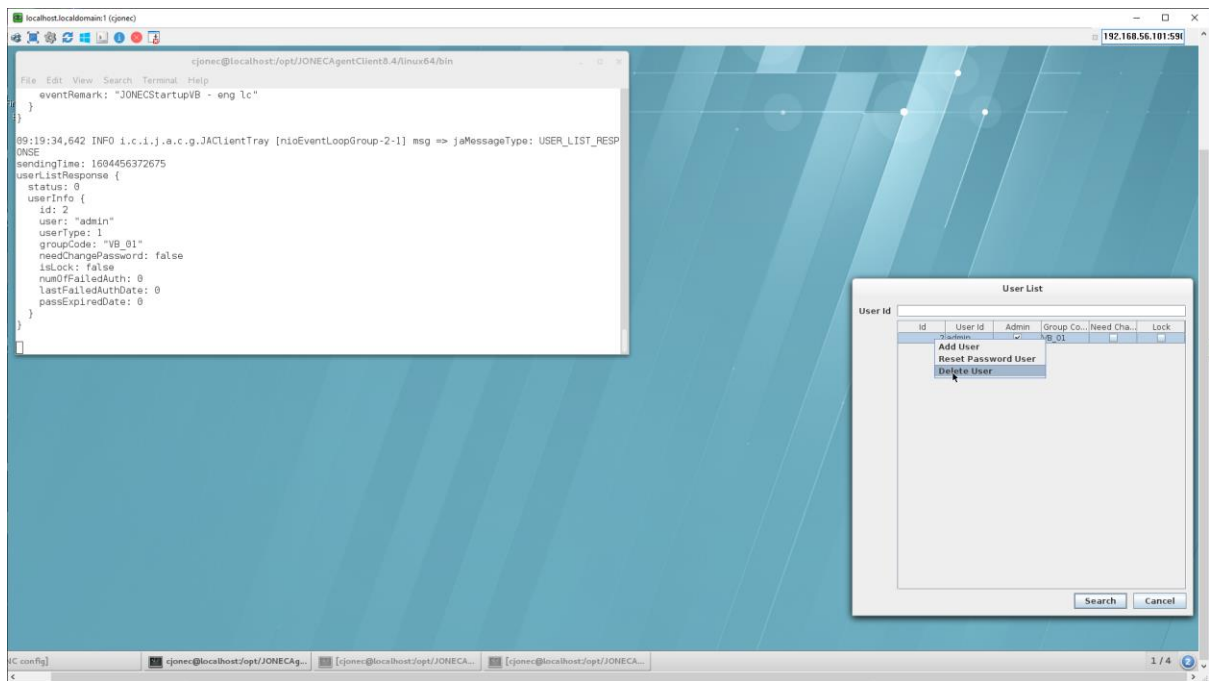
2) Add User



3) Reset Password

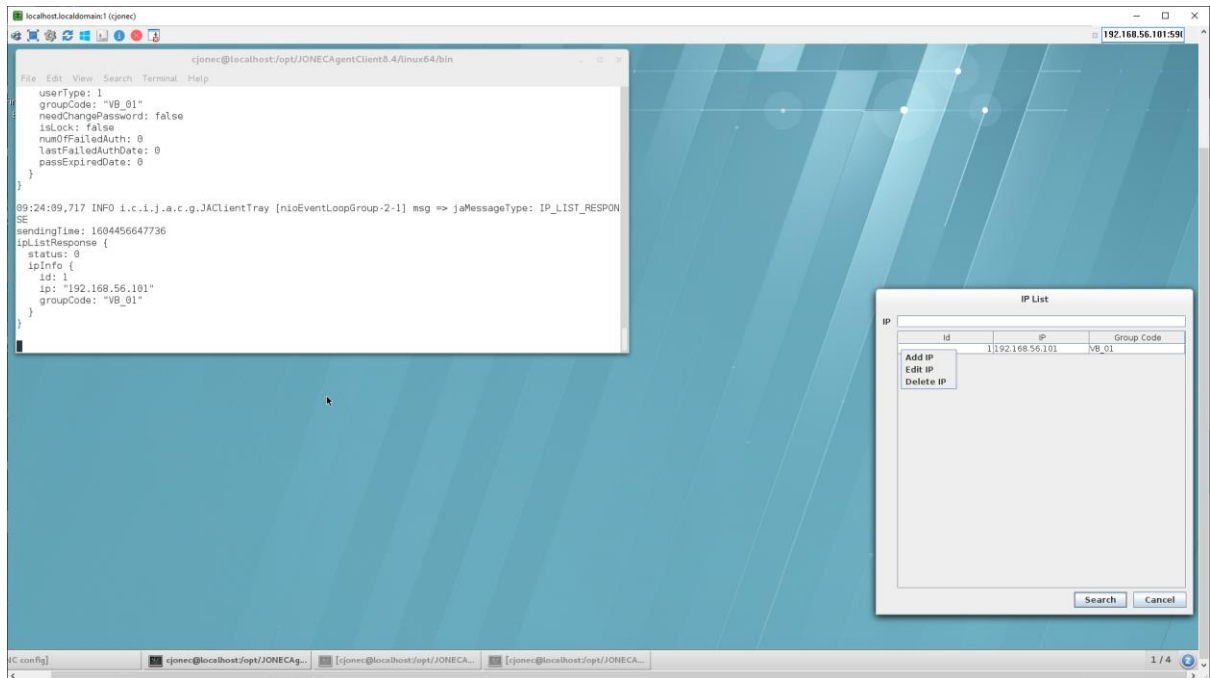
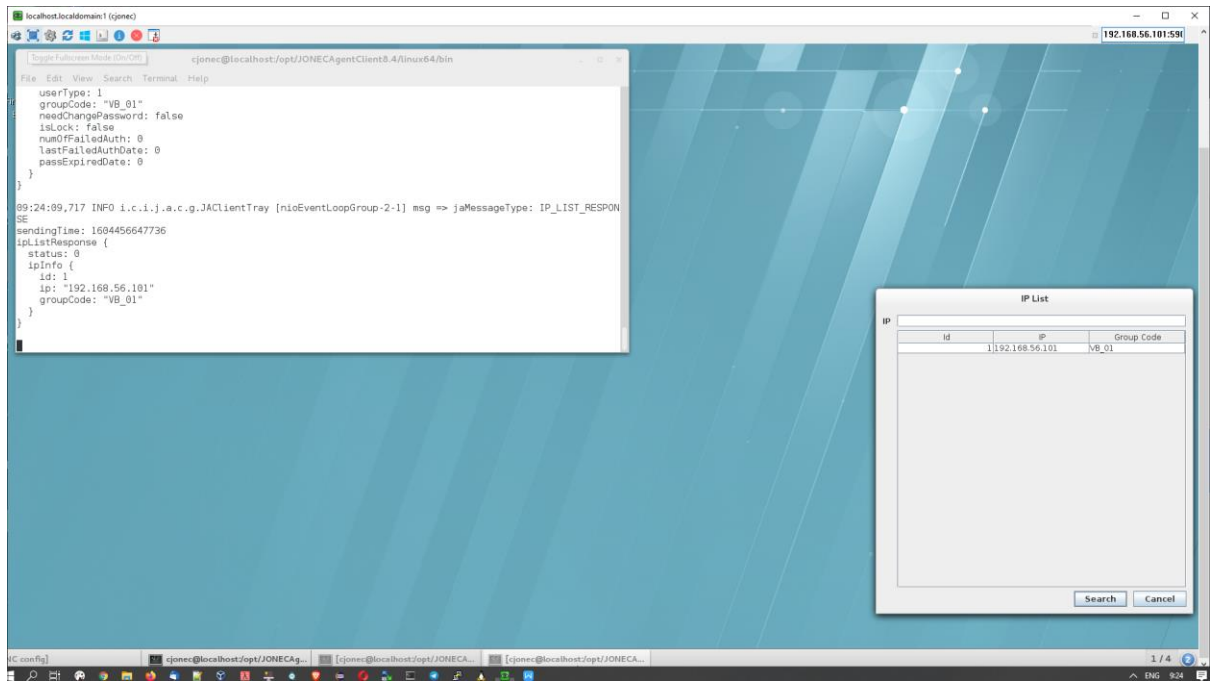


4) Delete User

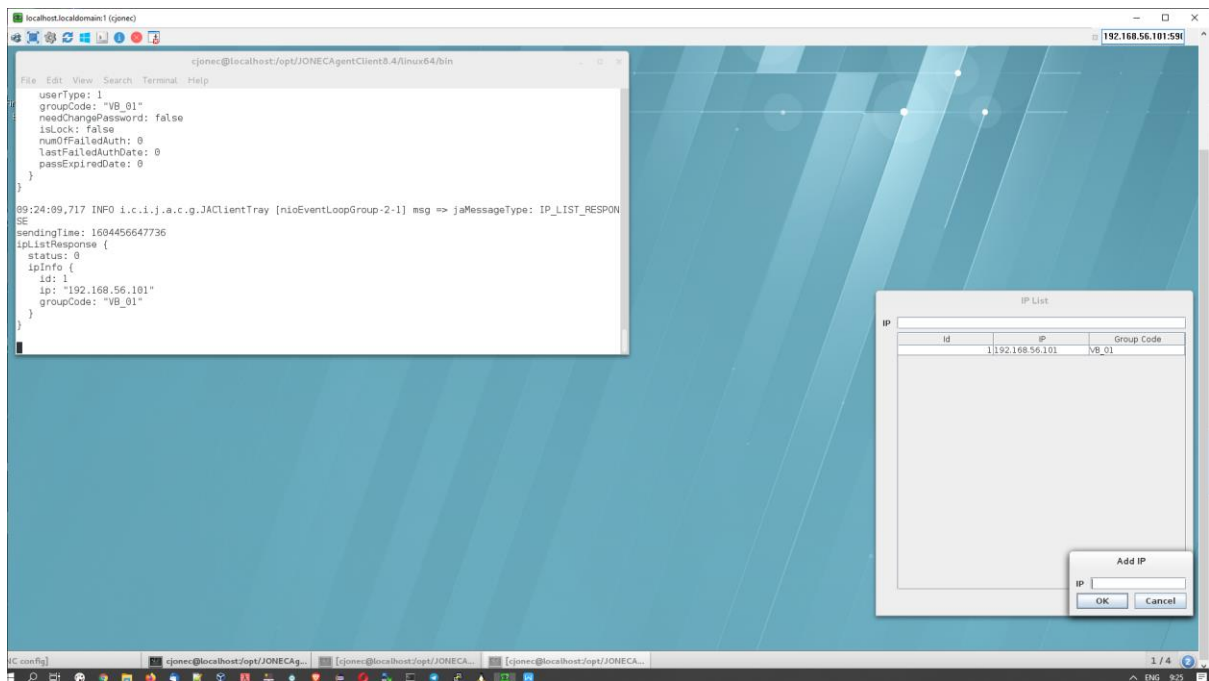


3.2.2.8.2 Admin-Manage IP

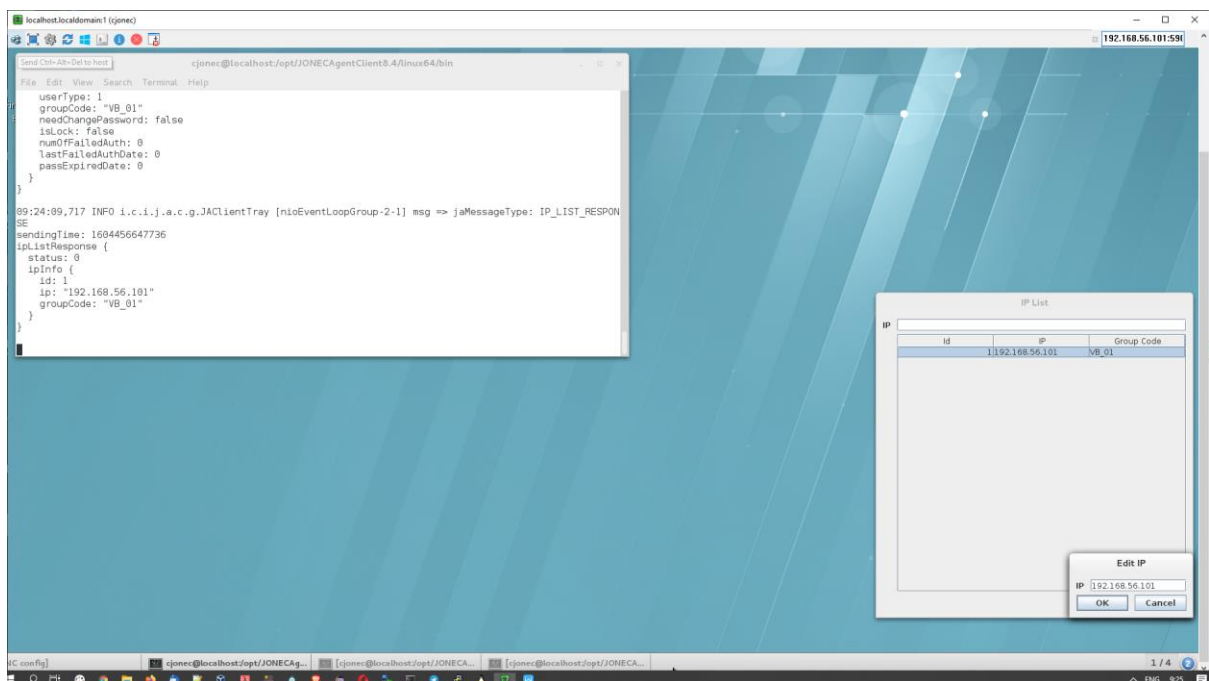
Fitur untuk keperluan manage user yang diperbolehkan untuk login JONECAgentClient8.4.



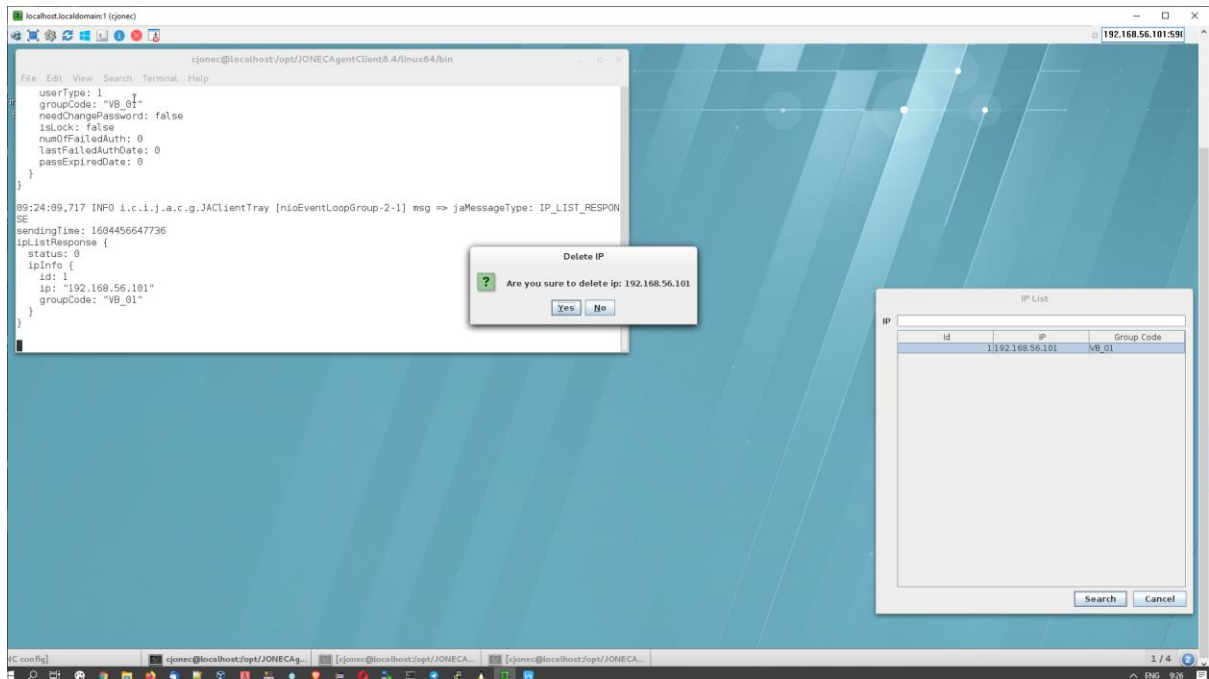
1) Add IP



2) Edit IP



3) Delete IP

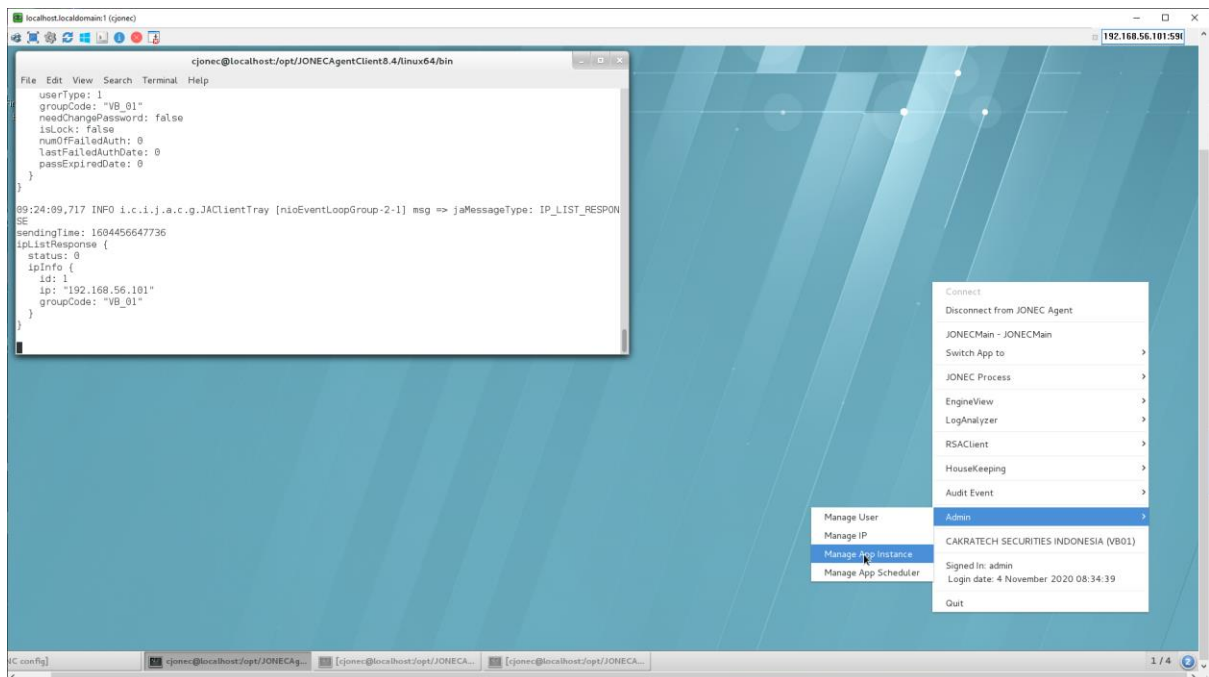


3.2.2.8.3 Admin-Manage APP Instance

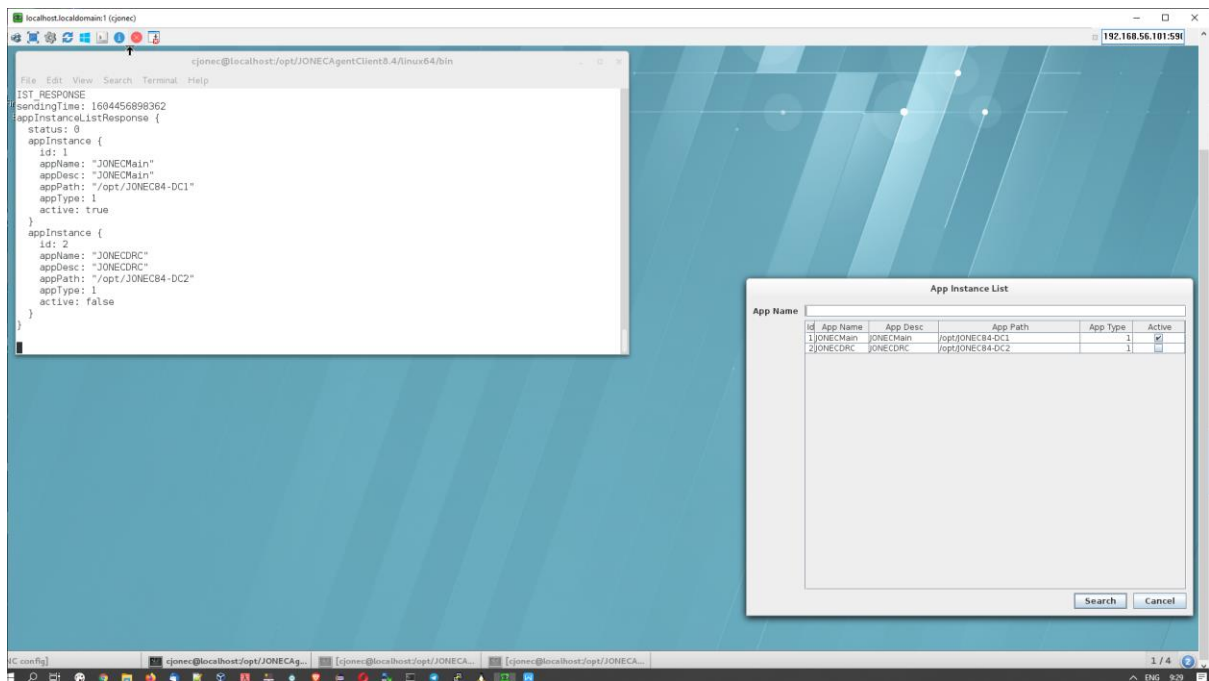
Fitur untuk keperluan Manage App Instance dari JONEC Agent Client.

Pengelolaan Manage App Instance, antara lain: Add App Instance, Edit App Instance, Delete App Instance dan View App Scripts.

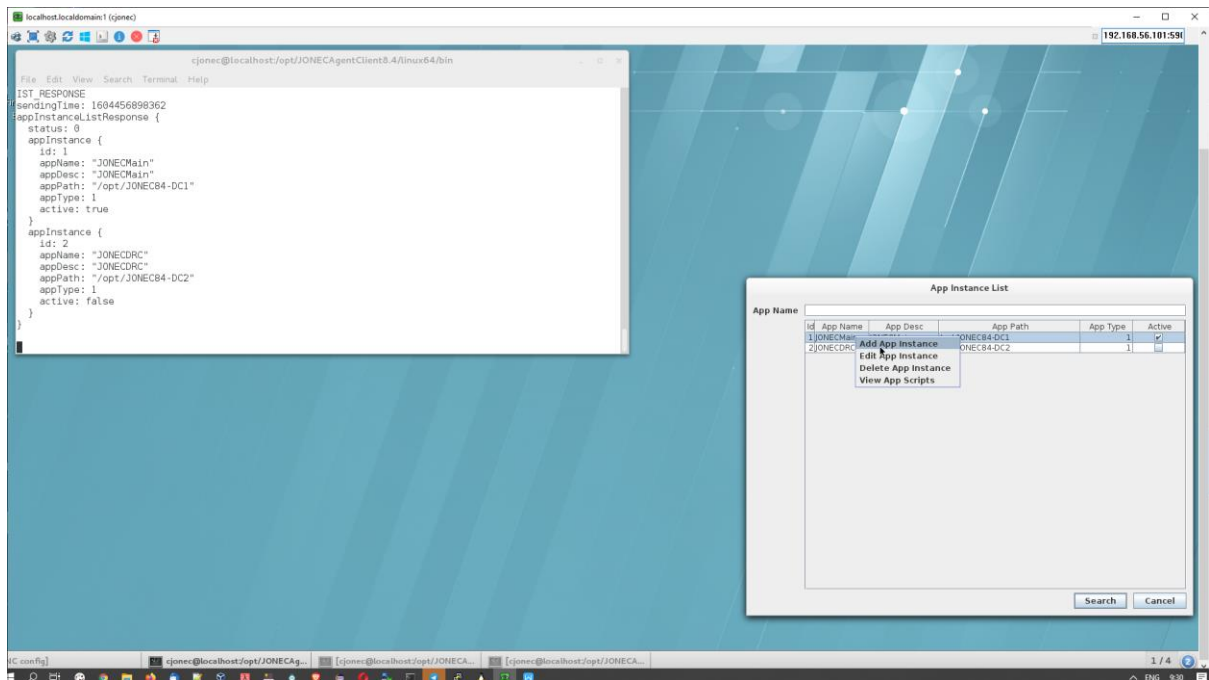
Untuk View App Scripts dapat dilakukan antara lain: Add App Scripts, Edit App Script dan Delete App Script.

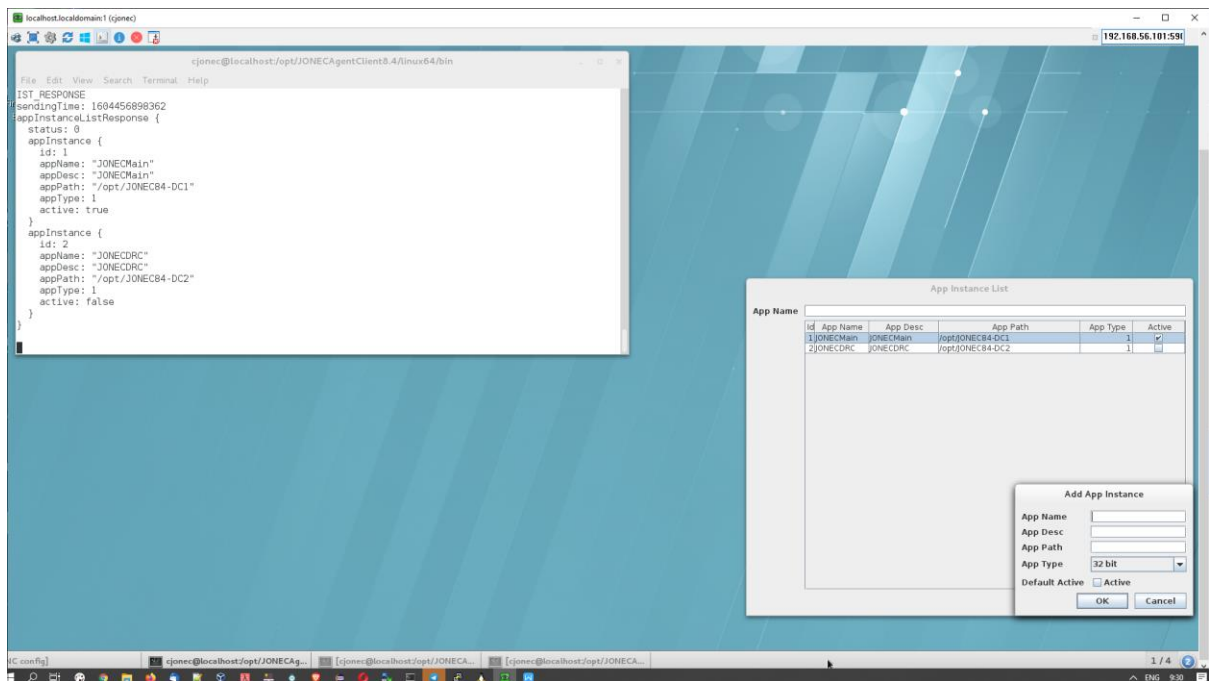


1) App Instance List

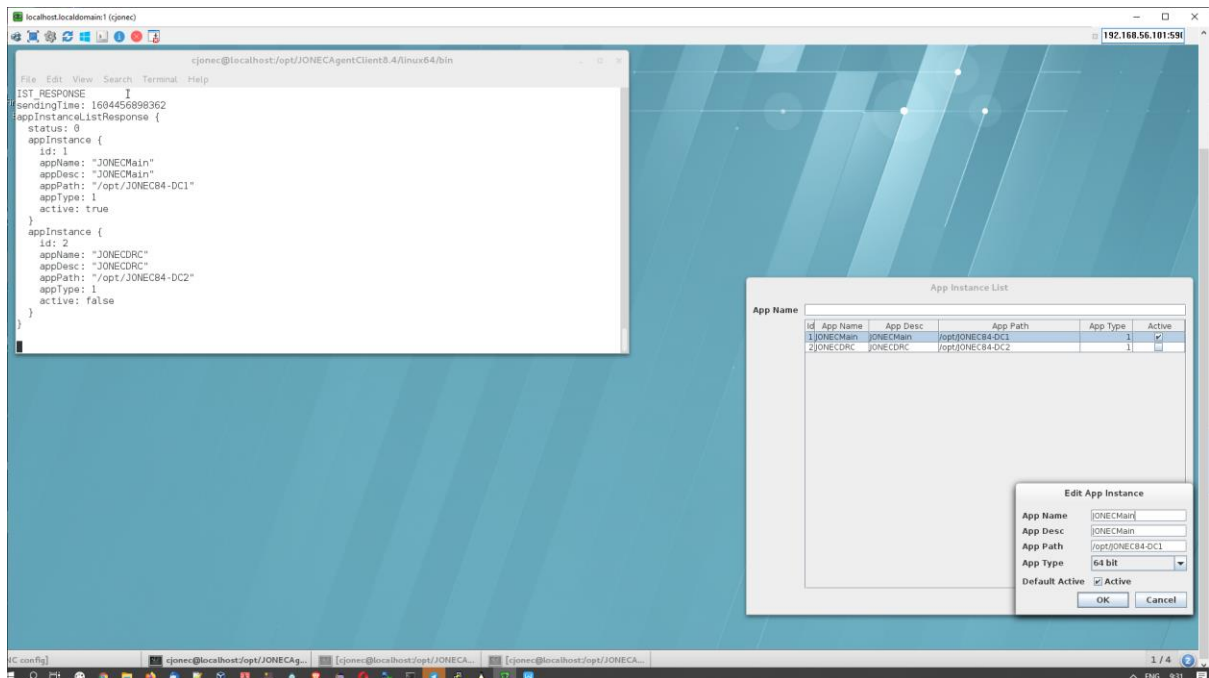


2) Add App Instance

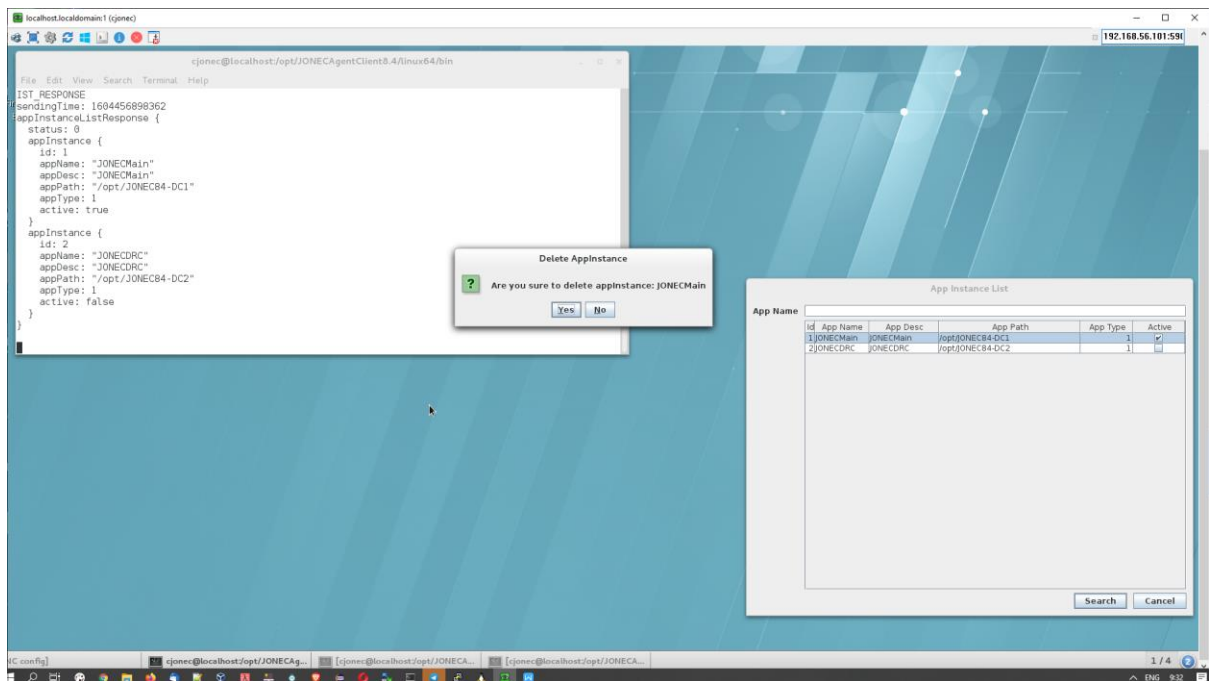




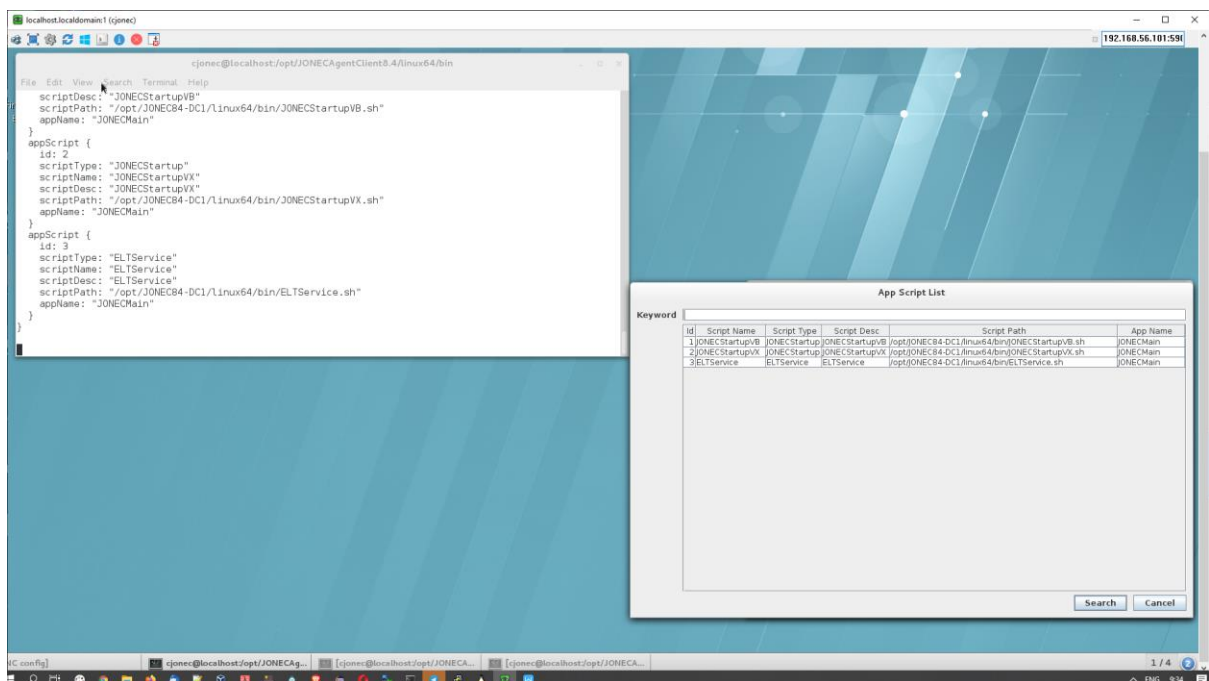
3) Edit App Instance



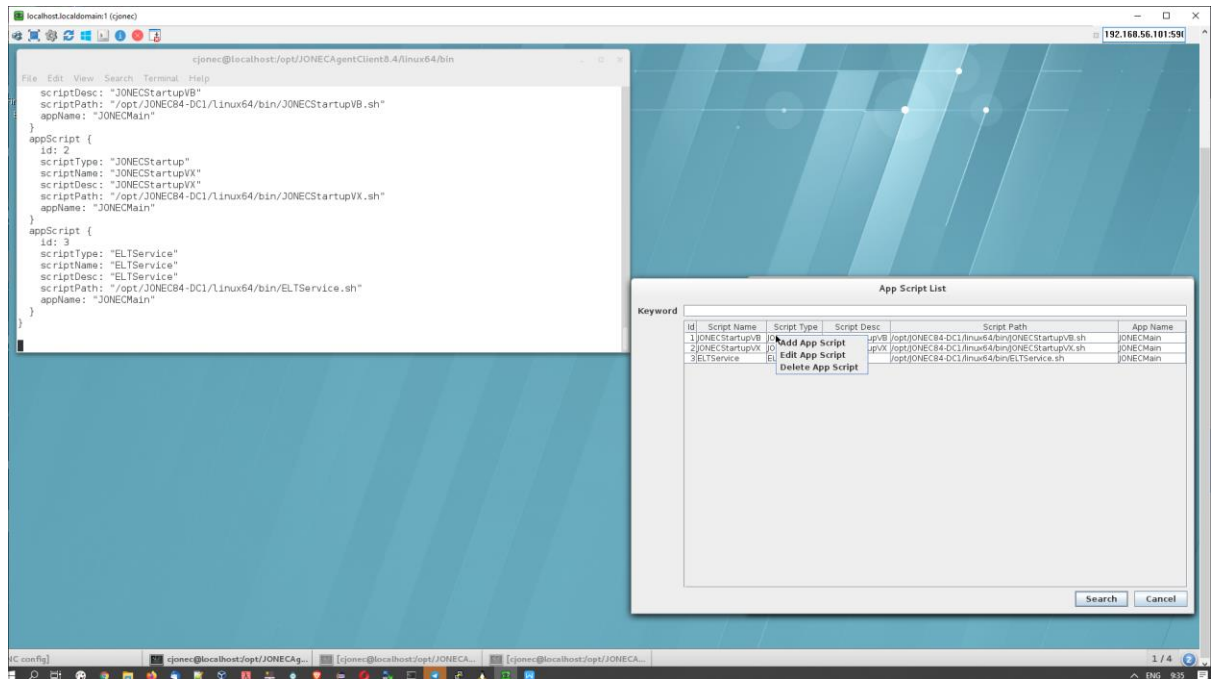
4) Delete App Instance



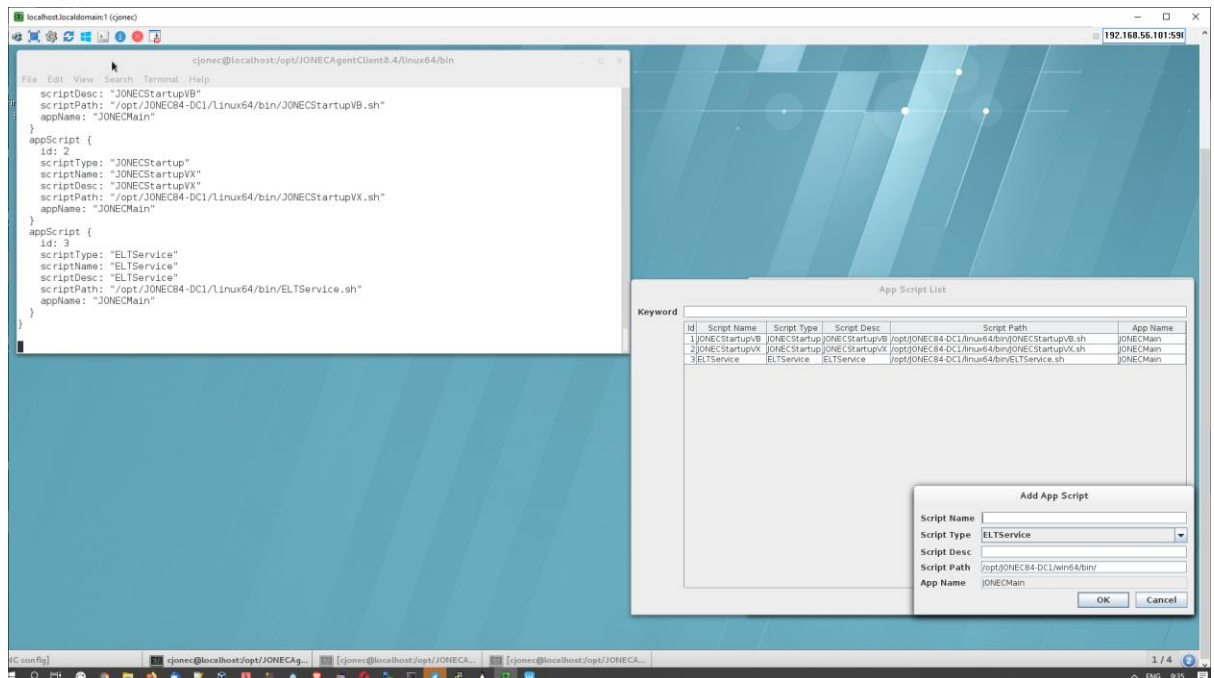
5) View App Script List



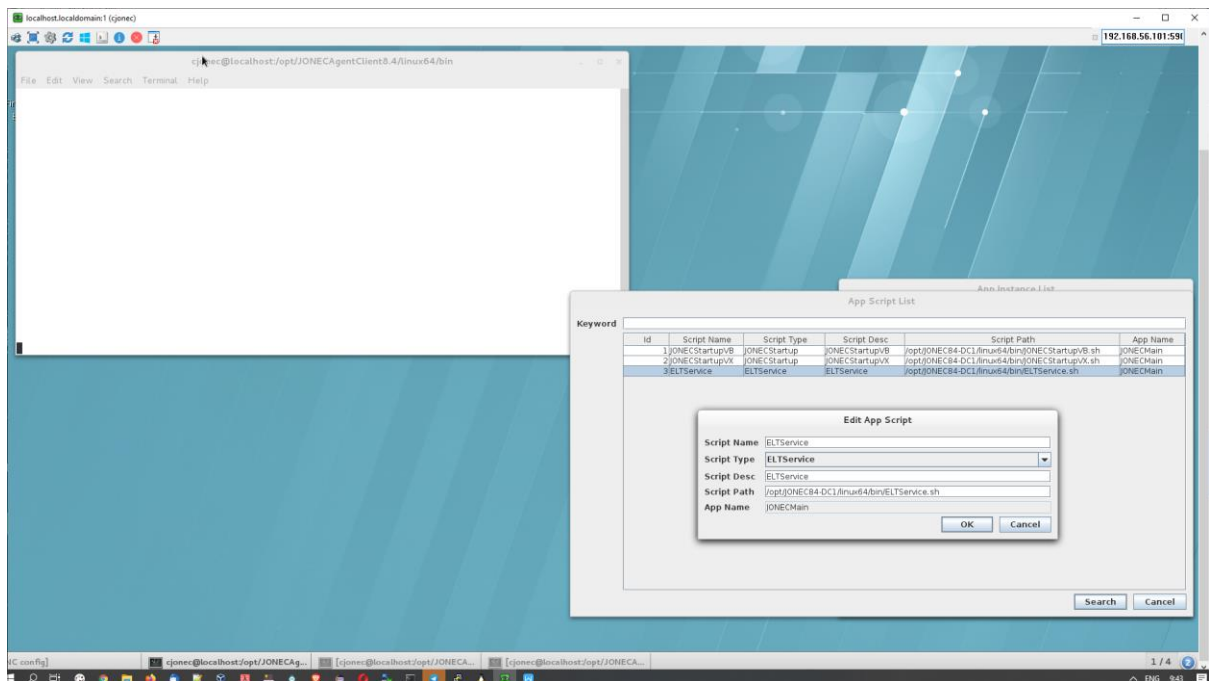
6) Submenu App Script List



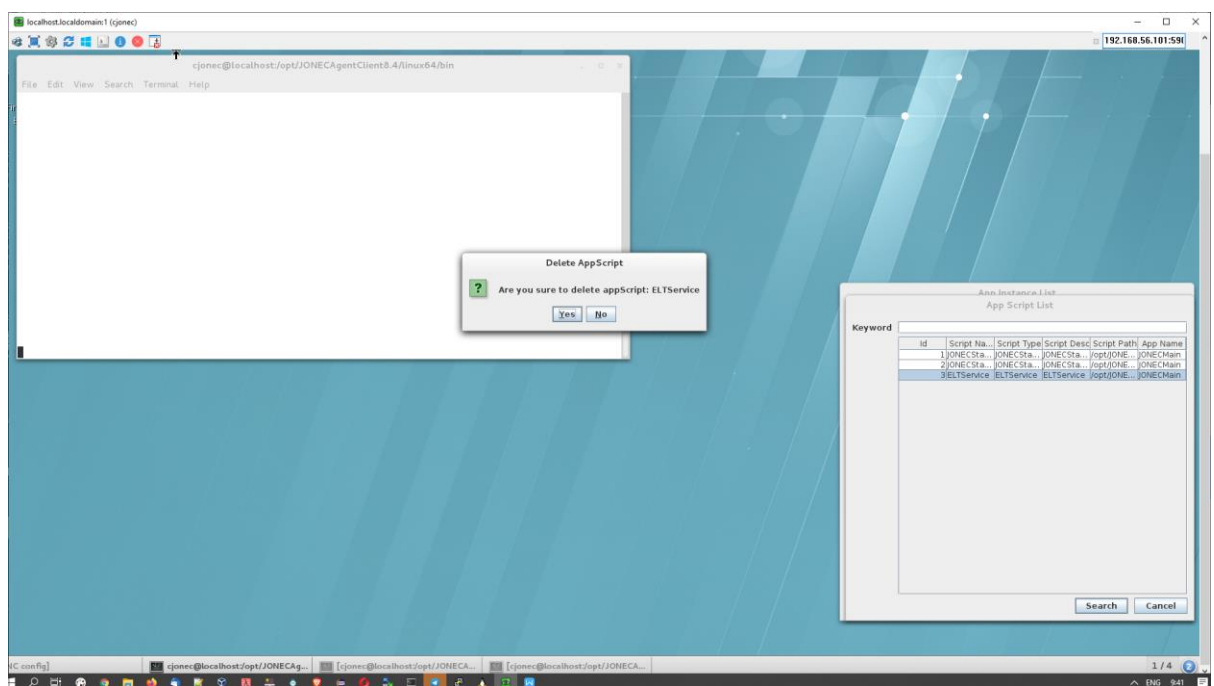
7) Add App Script List



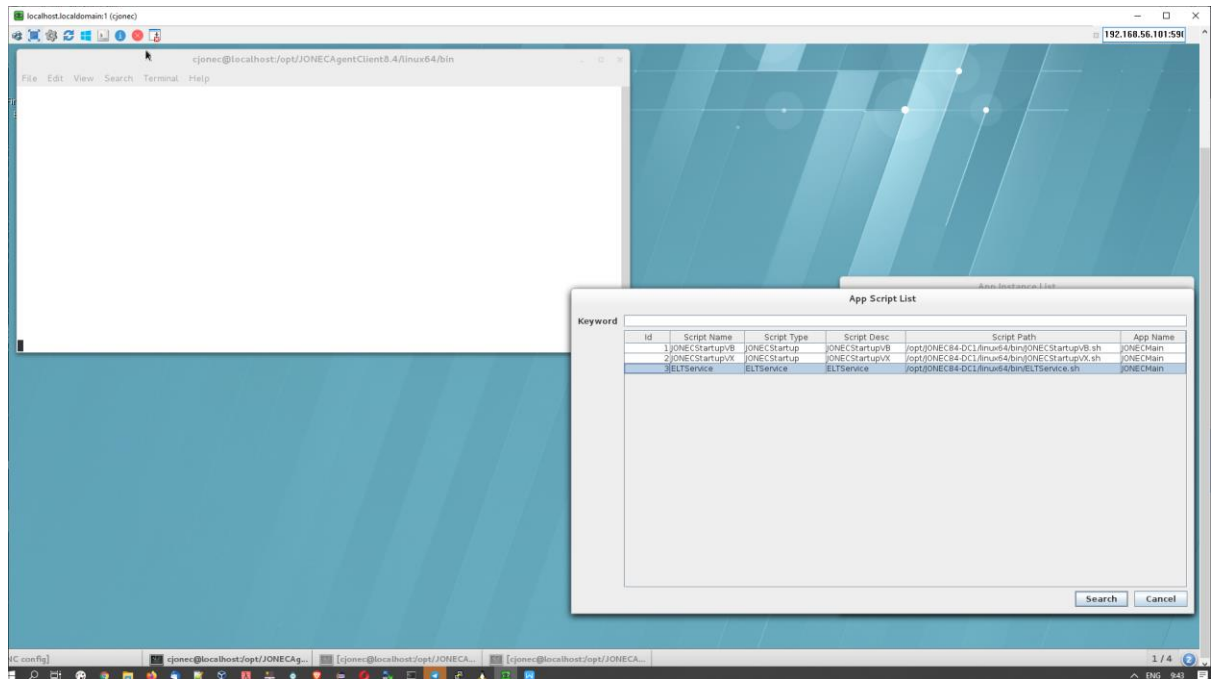
8) Edit App Script List



9) Delete App Script List

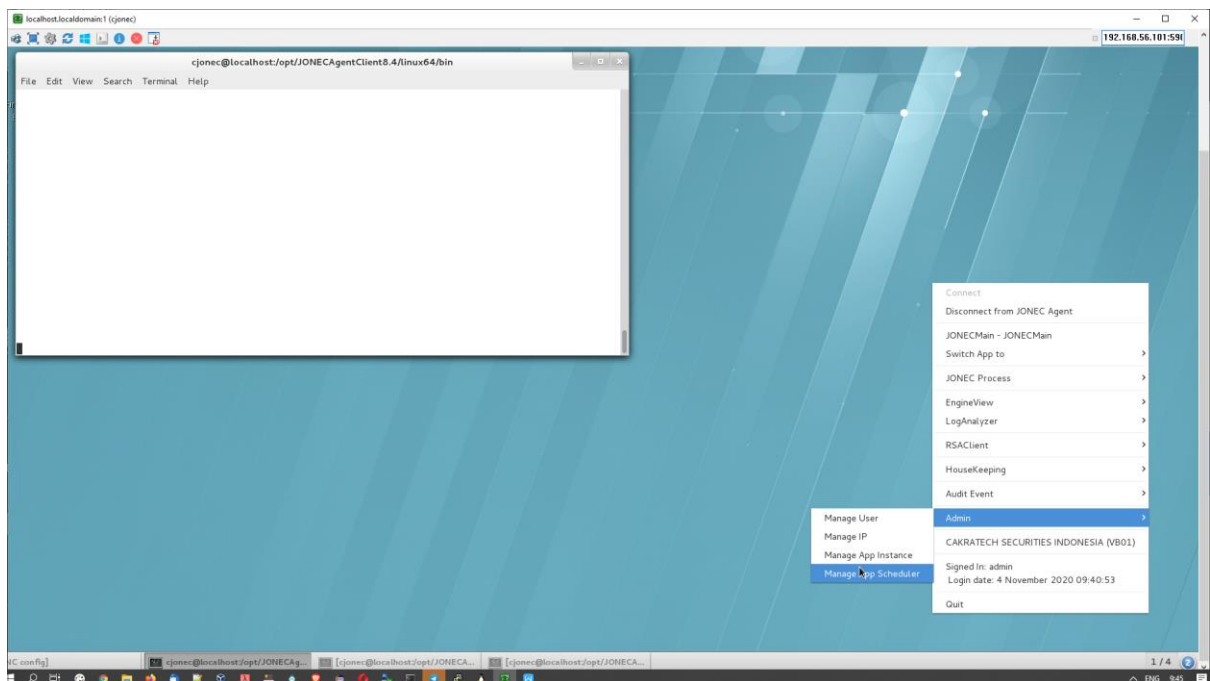


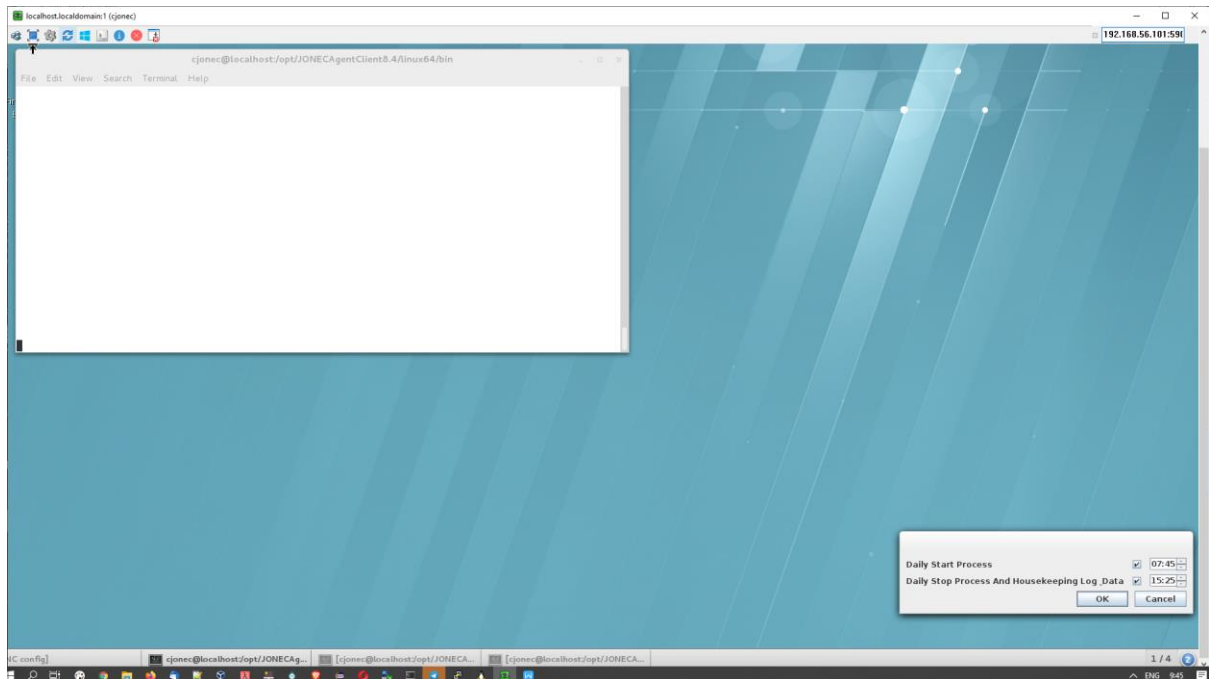
10) View App Scripts



3.2.2.8.4 Admin-Manage App Scheduler

Fitur untuk keperluan Manage App Scheduler dari JONECAgentClient8.4.





3.2.2.9 Quit

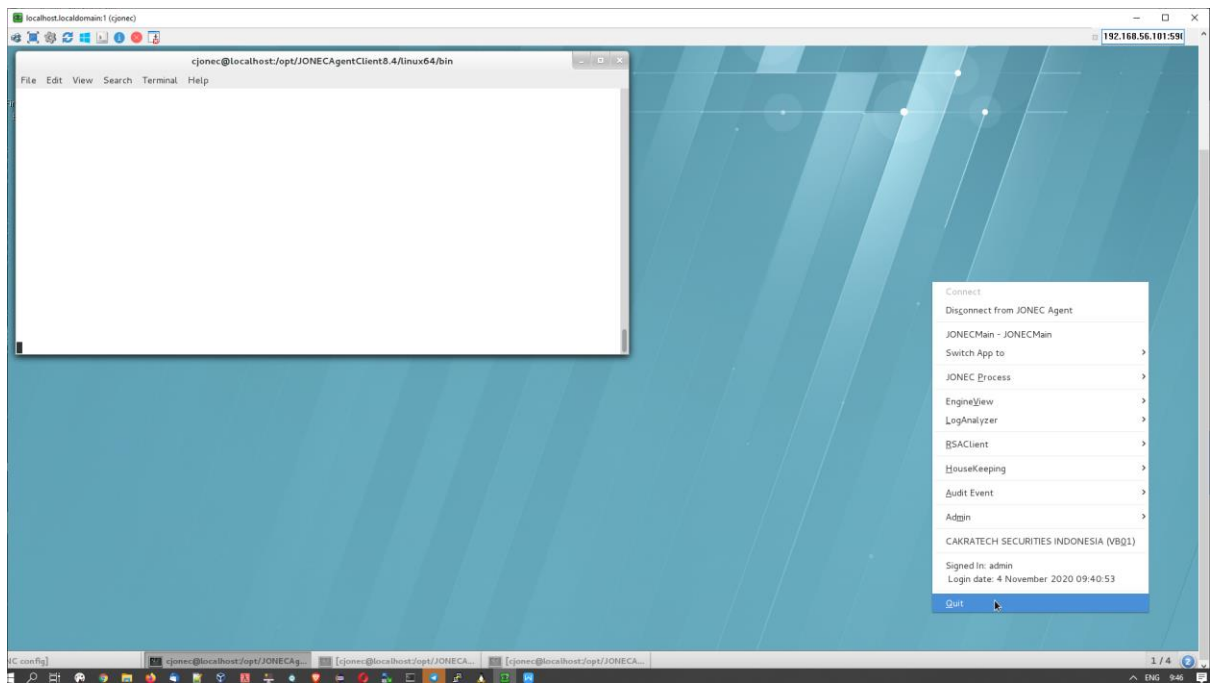
Fitur untuk keluar dari JONEC Agent Client.

Sebelum melakukan Quit dari aplikasi JONEC Agent Client, lakukan stop untuk semua JONEC Process:

- Stop ELT Service dan semua App Instance / JONEC Startup yang sudah aktif sebelumnya.

Dalam contoh di manual ini, lakukan stop berturut-turut:

- JONEC Process - JonecStartupVB - Stop JonecStartupVB Process
- JONEC Process - JonecStartupVX - Stop JonecStartupVX Process
- JONEC Process - ELT Service - Stop ELTService Process



4

Panduan Uninstall Aplikasi

4.1 Uninstall Aplikasi JONECAgentServer8.4

Uninstall JONECAgentServer8.4 bisa dilakukan melalui.

Login sebagai root ke host remote access JONEC dengan aplikasi yang tersedia.

Pada console user root, berturut-turut lakukan :

```
[root@localhost remoteaccessJONECLinux]# cd /opt/remoteaccessJONECLinux
```

```
[root@localhost remoteaccessJONECLinux]# dos2unix ./uninstallJONECAgentServer8.4.sh  
&&chmod +x ./uninstallJONECAgentServer8.4.sh && ./uninstallJONECAgentServer8.4.sh
```

```
[root@localhost remoteaccessJONECLinux]# dos2unix ./uninstallJONECAgentServer7.1.sh &&chmod +x ./uninstallJONECAgentServer7.1.sh && ./uninstallJONECAgentServer7.1.sh  
dos2unix: converting file ./uninstallJONECAgentServer7.1.sh to Unix format ...  
[root@localhost remoteaccessJONECLinux]#
```

4.2 Uninstall Aplikasi JONECAgentClient8.4

Login sebagai root ke host remote access JONEC dengan aplikasi yang tersedia.

Pada console user root, berturut-turut lakukan :

```
[root@localhost remoteaccessJONECLinux]# cd /opt/remoteaccessJONECLinux
```

```
[root@localhost remoteaccessJONECLinux]# dos2unix ./uninstallJONECAgentClient8.4.sh &&  
chmod +x ./uninstallJONECAgentClient8.4.sh && ./uninstallJONECAgentClient8.4.sh
```

```
[root@localhost remoteaccessJONECLinux]# dos2unix ./uninstallJONECAgentClient7.1.sh && chmod +x ./uninstallJONECAgentClient7.1.sh && ./uninstallJONECAgentClient7.1.sh  
dos2unix: converting file ./uninstallJONECAgentClient7.1.sh to Unix format ...  
[root@localhost remoteaccessJONECLinux]#
```