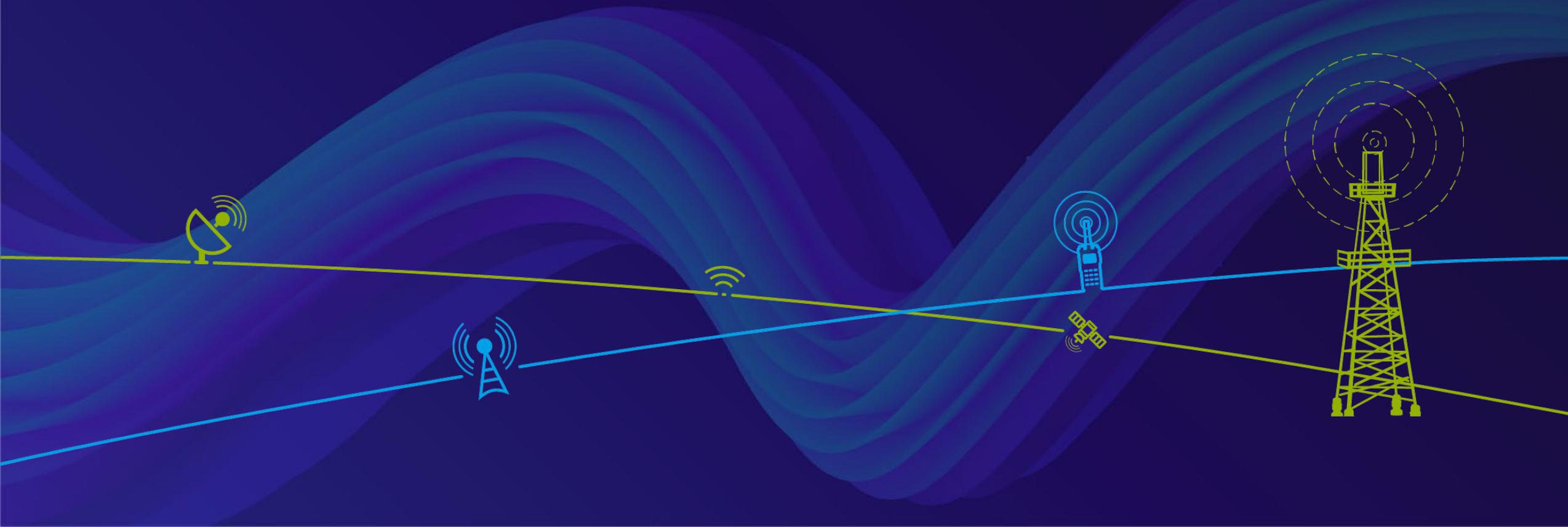


SmartDispatch Plus - Configuração

Despacho



ESPECIFICAÇÕES

Requisitos do sistema

Sistema operacional	Windows 10 /Windows 11 //Windows Server 2016/ Windows Server 2019
RAM	≥ 16 GB
Largura de banda de um canal de voz	≤120Kbps
Banco de dados	PostgreSQL-14.6

Capacidade do sistema

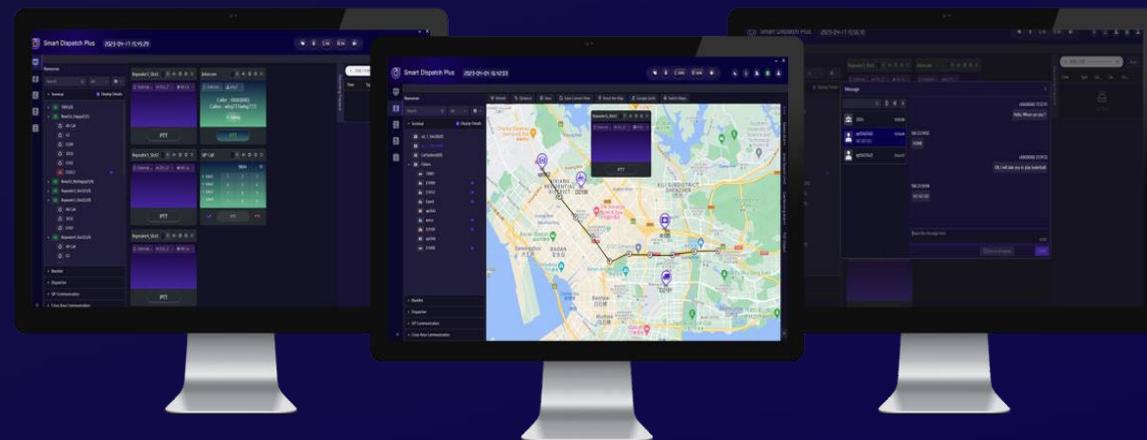
1 Servidor	Até 32 clientes
	Até 24 gateways
	Até 32 canais de voz
1 Gateway	Até 16 repetidores DMR ou 16 rádios móveis HM78X ou 4 rádios móveis MD78X ou 1 site XPT ou 1 E-pack200

Versão do firmware

Repetidor	HR106X	V2.0.01.009(DMR) ou posterior
	RD98X/RD98XS	V9.02.04.004 ou posterior
Rádio móvel	HM78X	V2.0.04.005 ou posterior
	MD78X	V10.0.02.002 ou posterior
E-pack	E-pack 200	N2.0.00.006 ou posterior

Arquitetura

- Suporta conexão com a repetidora digital em Convencional
- Suporta XPT de site único
- Suporta conexão direta com HM7 via rede
- Suporta conexão direta com MD7 via porta serial

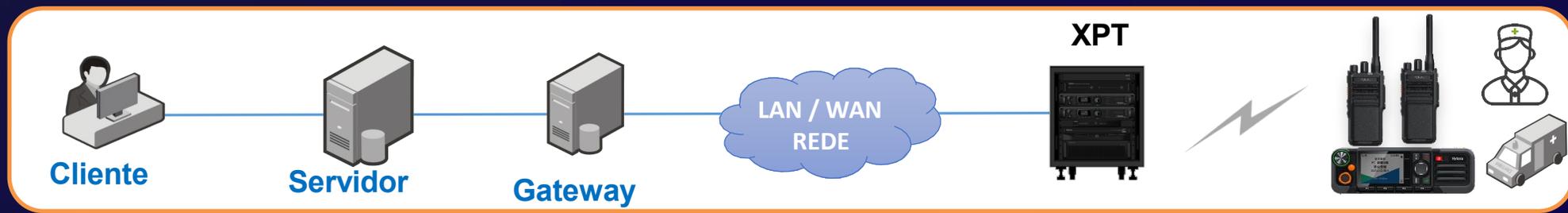


Desenho de Rede

Cenário 1:



Cenário 2:



Desenho de Rede 2

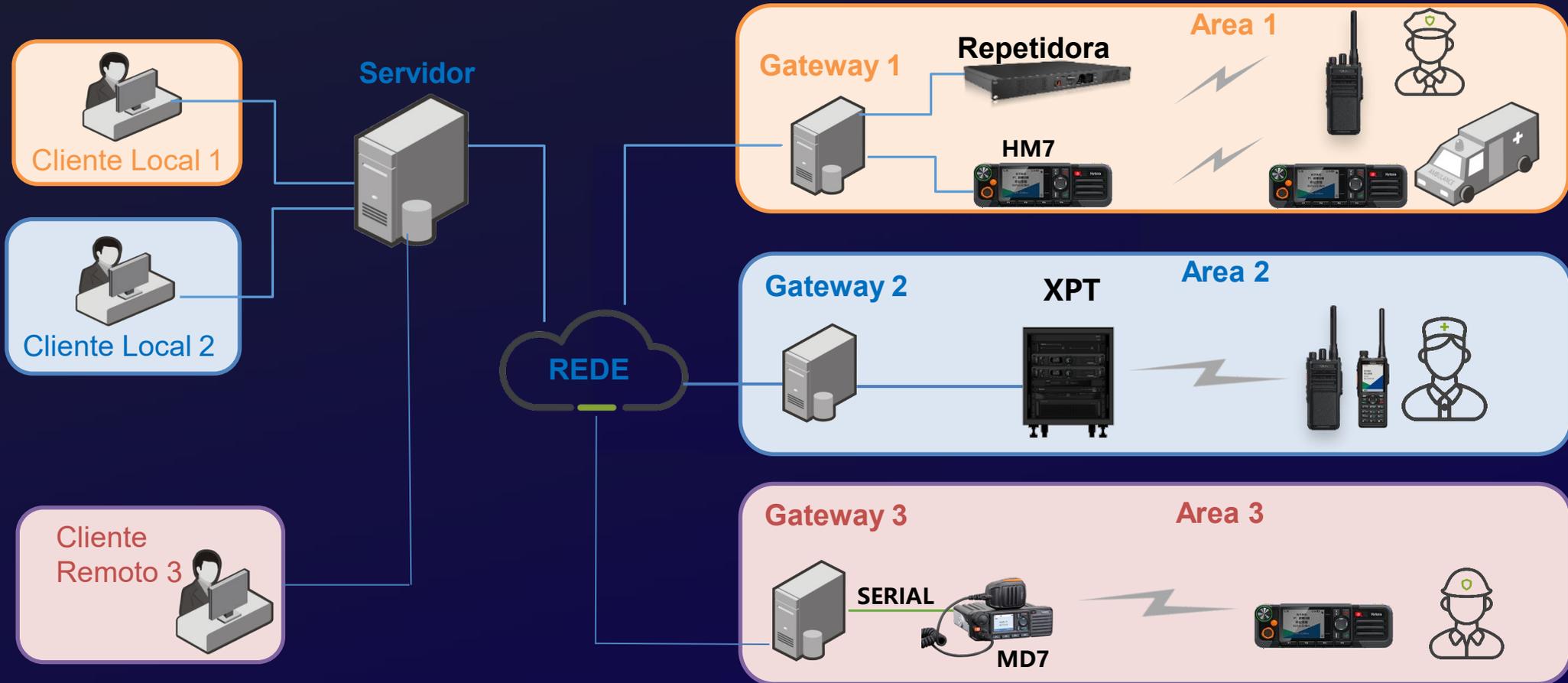
Cenário 3:

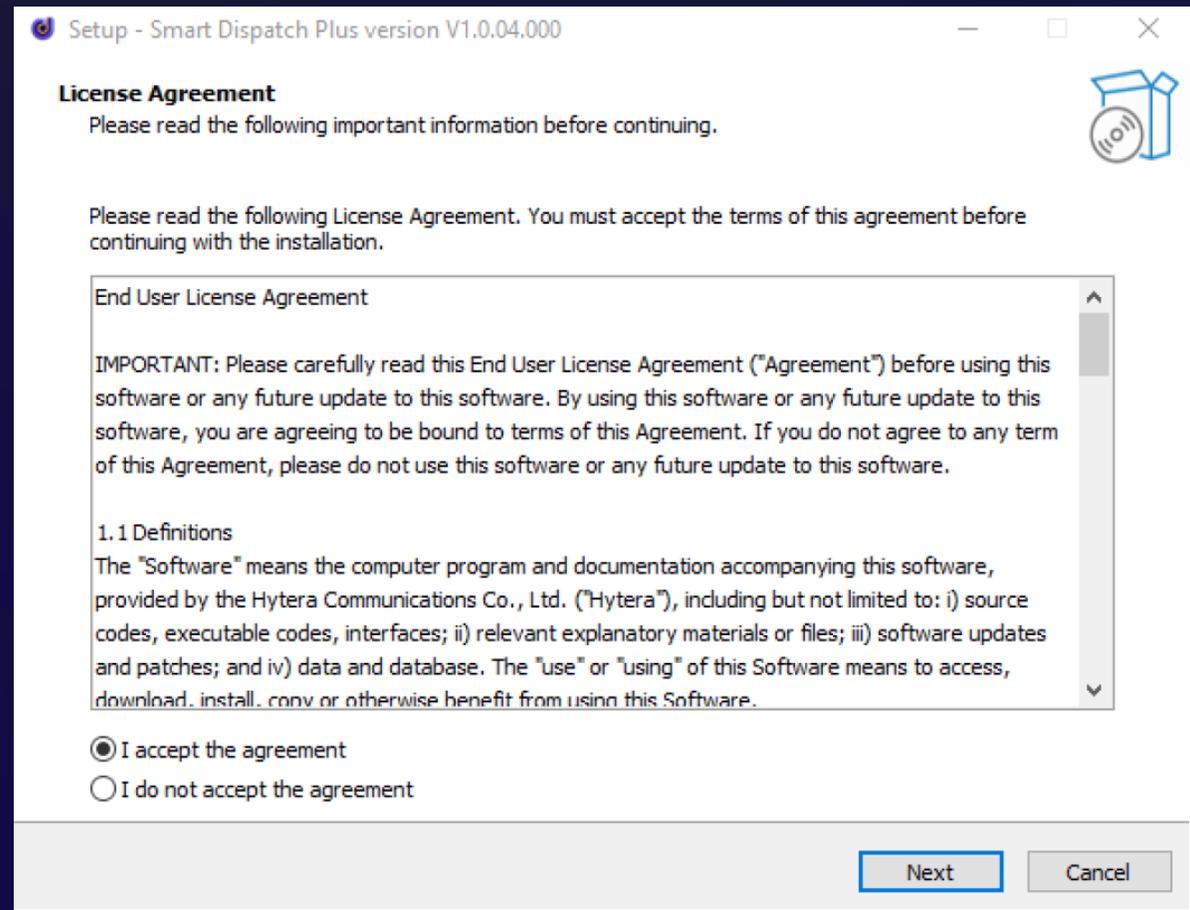
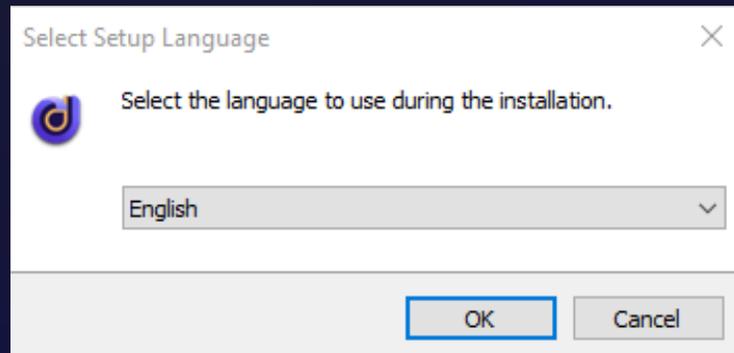


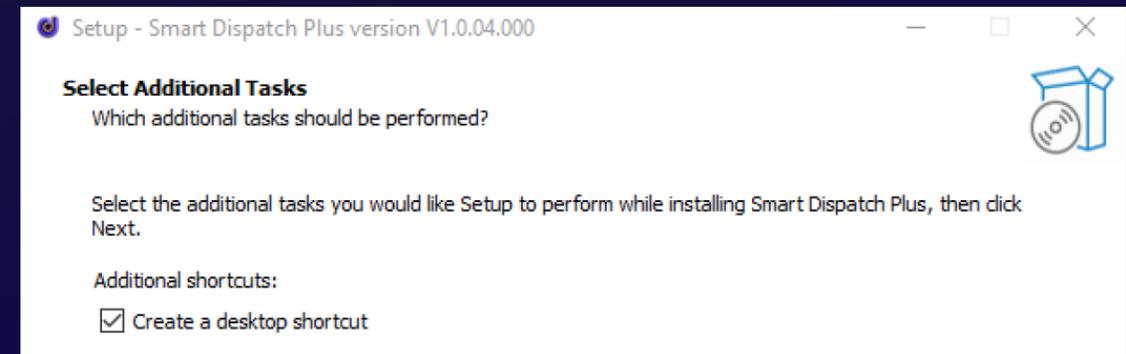
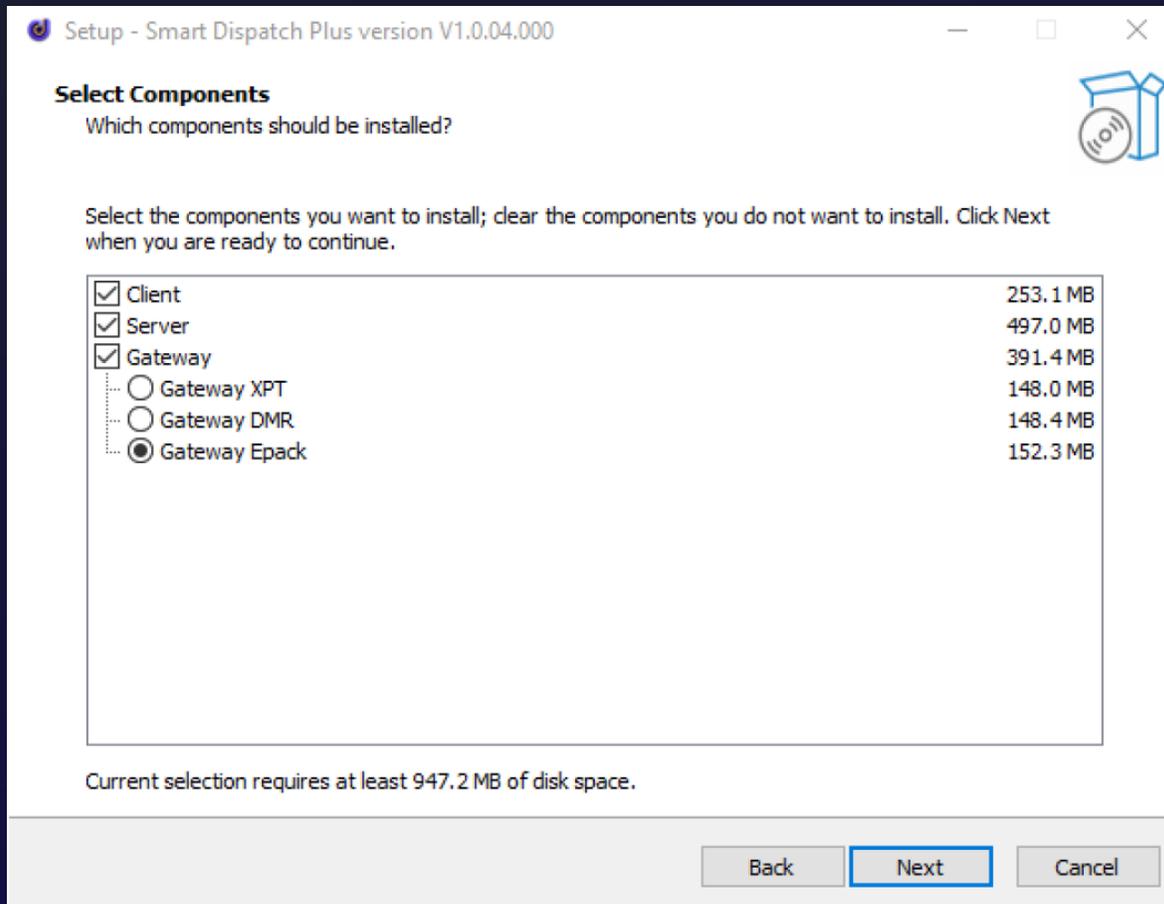
Cenário 4:

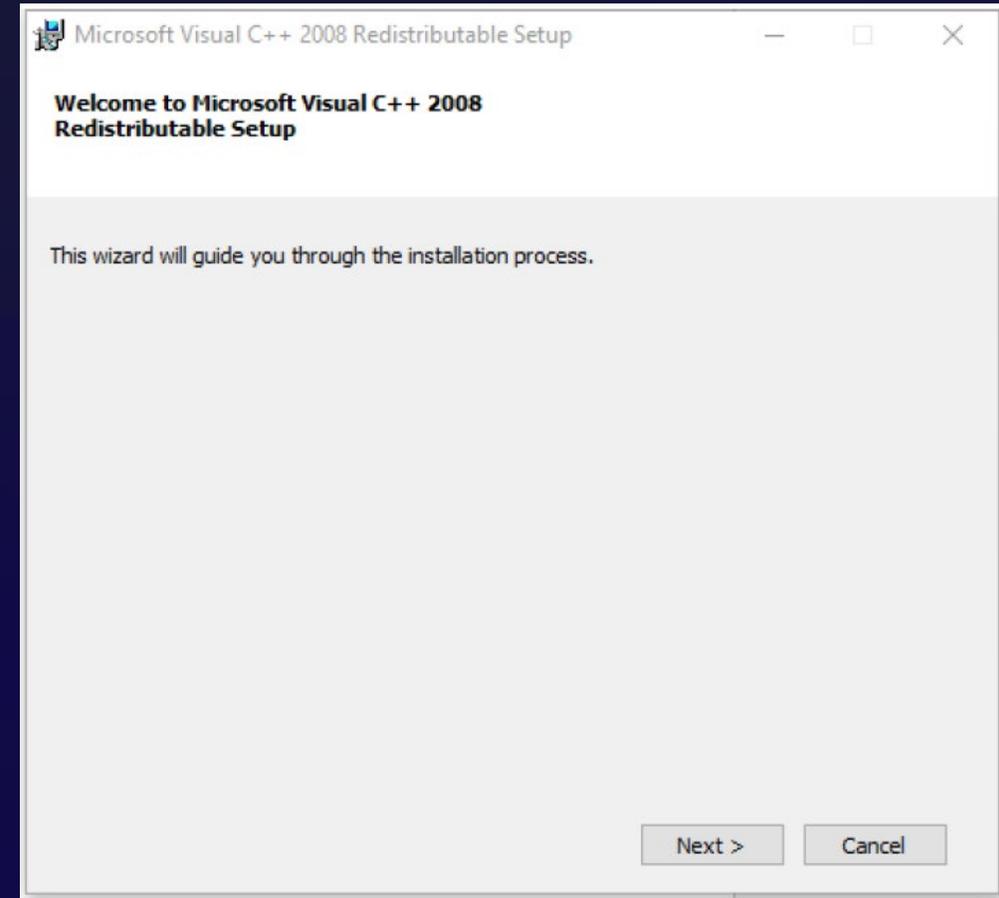
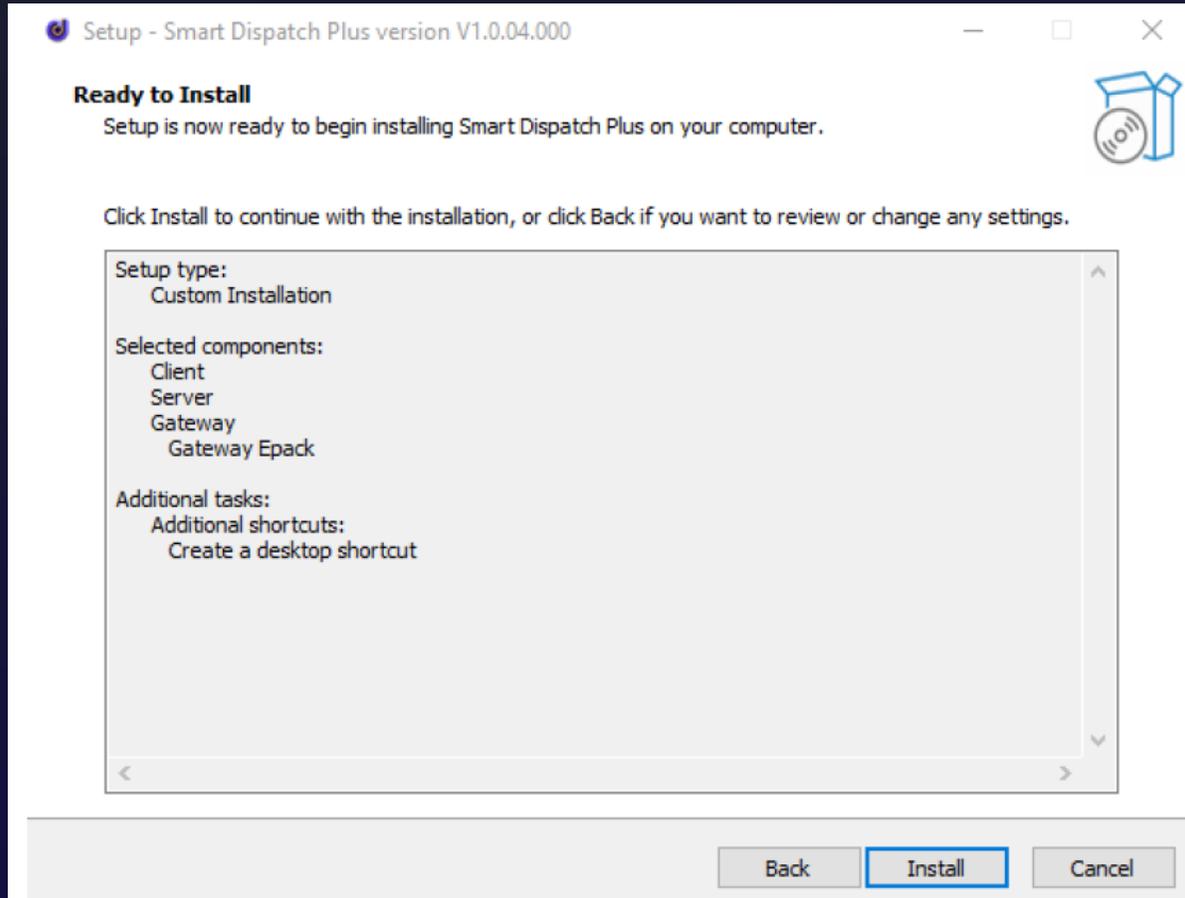


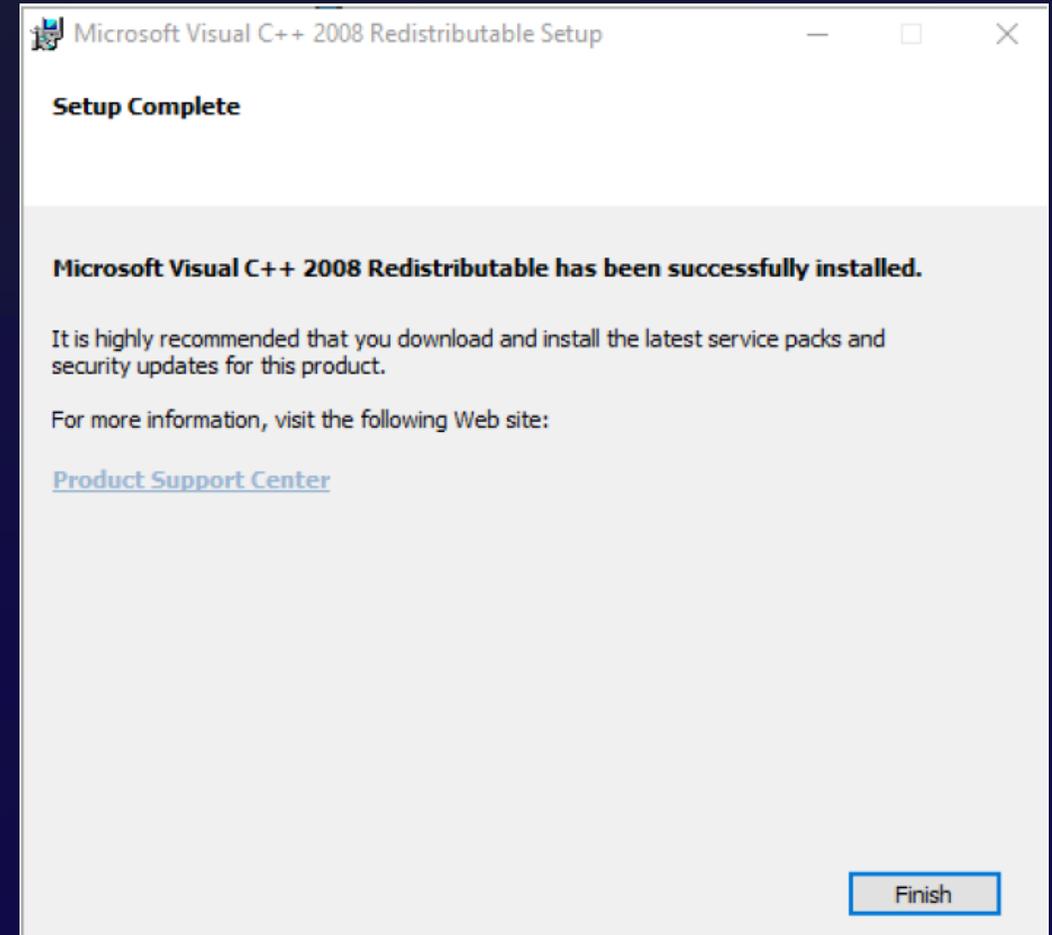
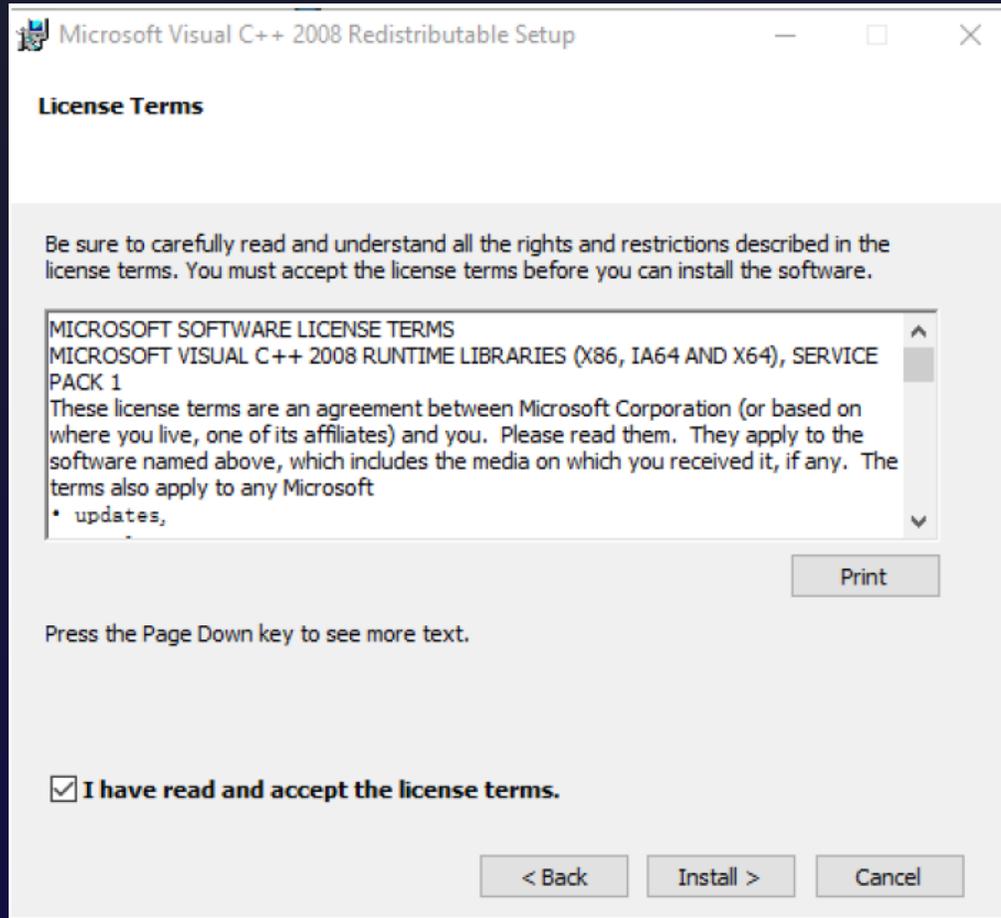
Desenho de Rede 3

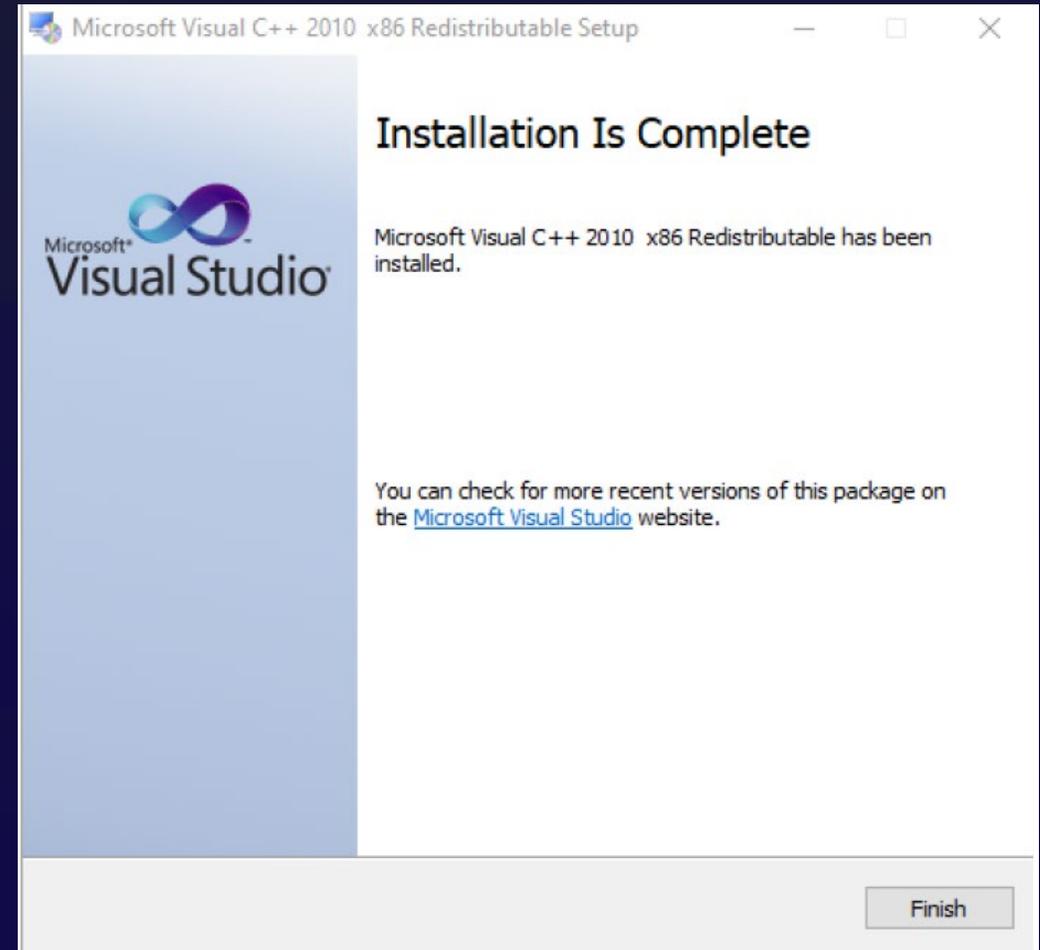
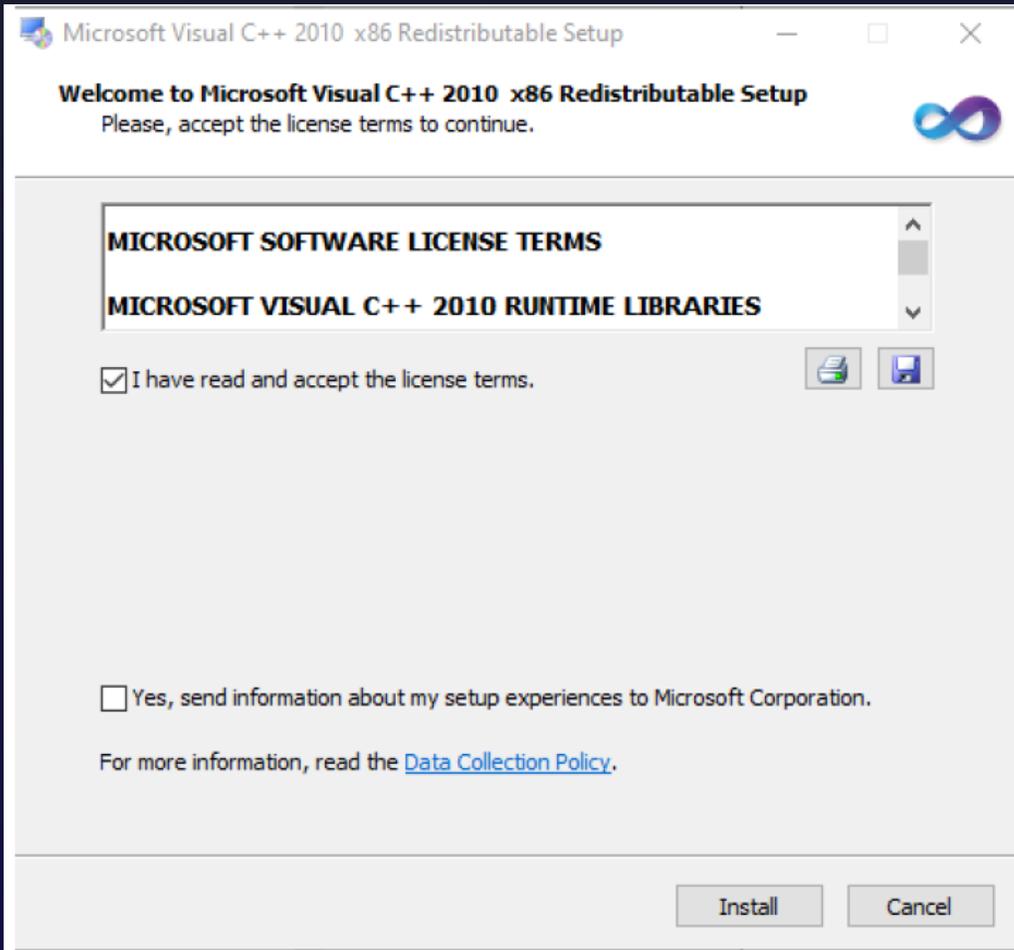


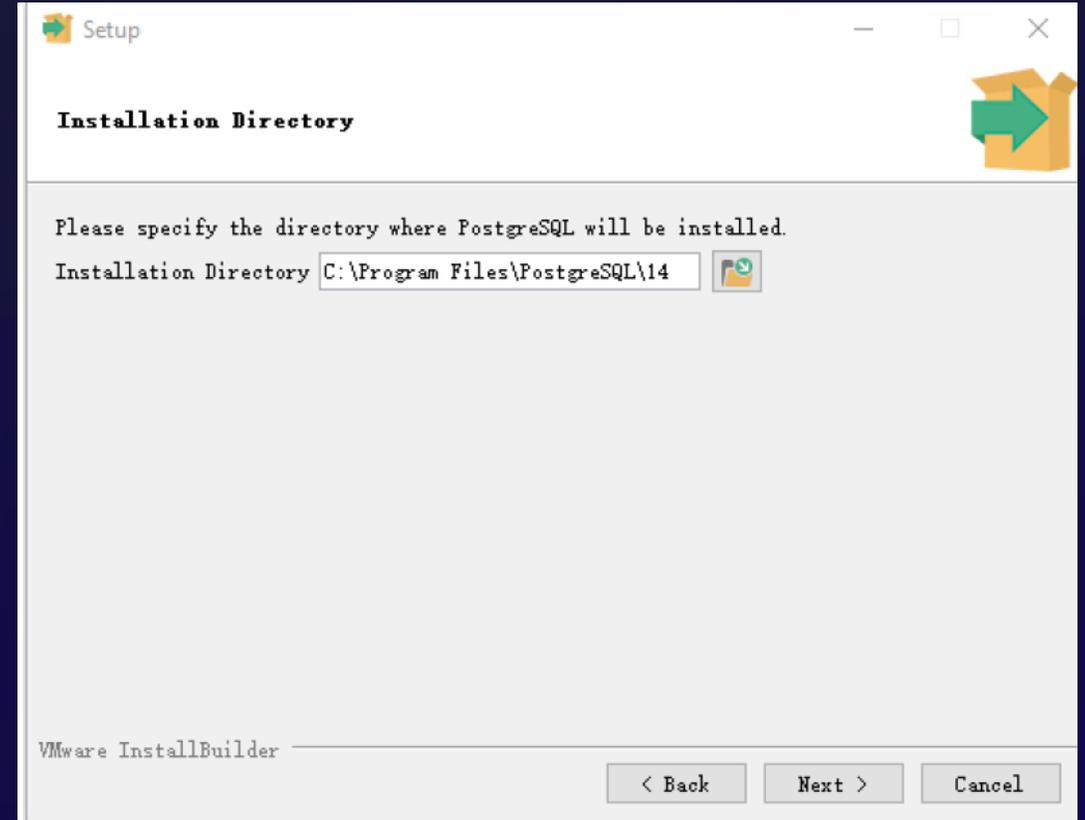
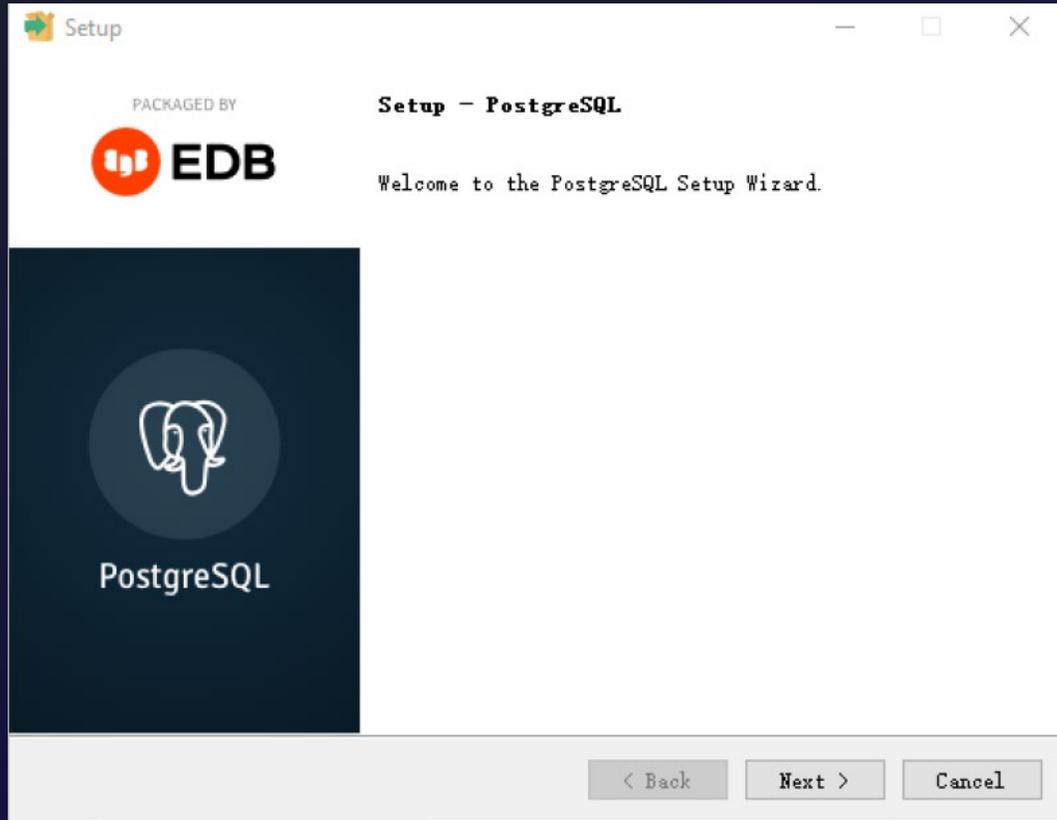


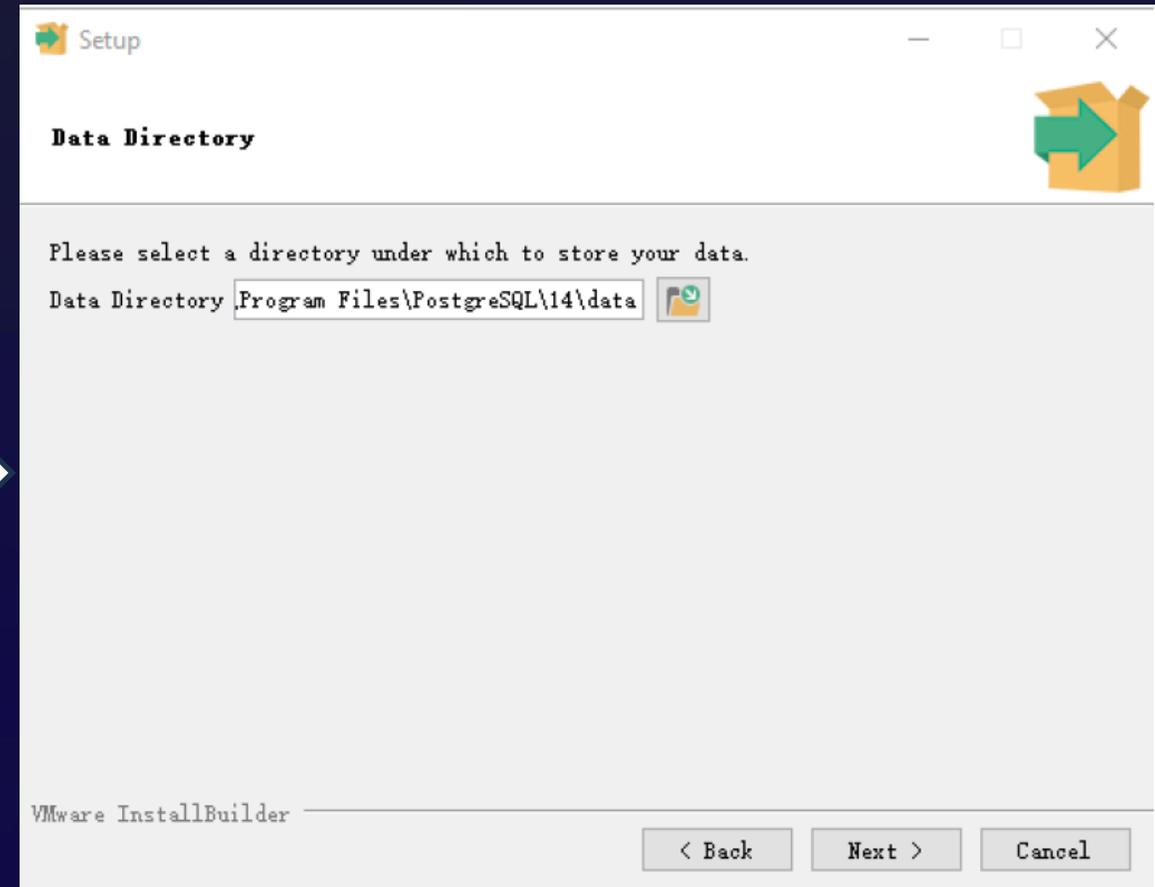
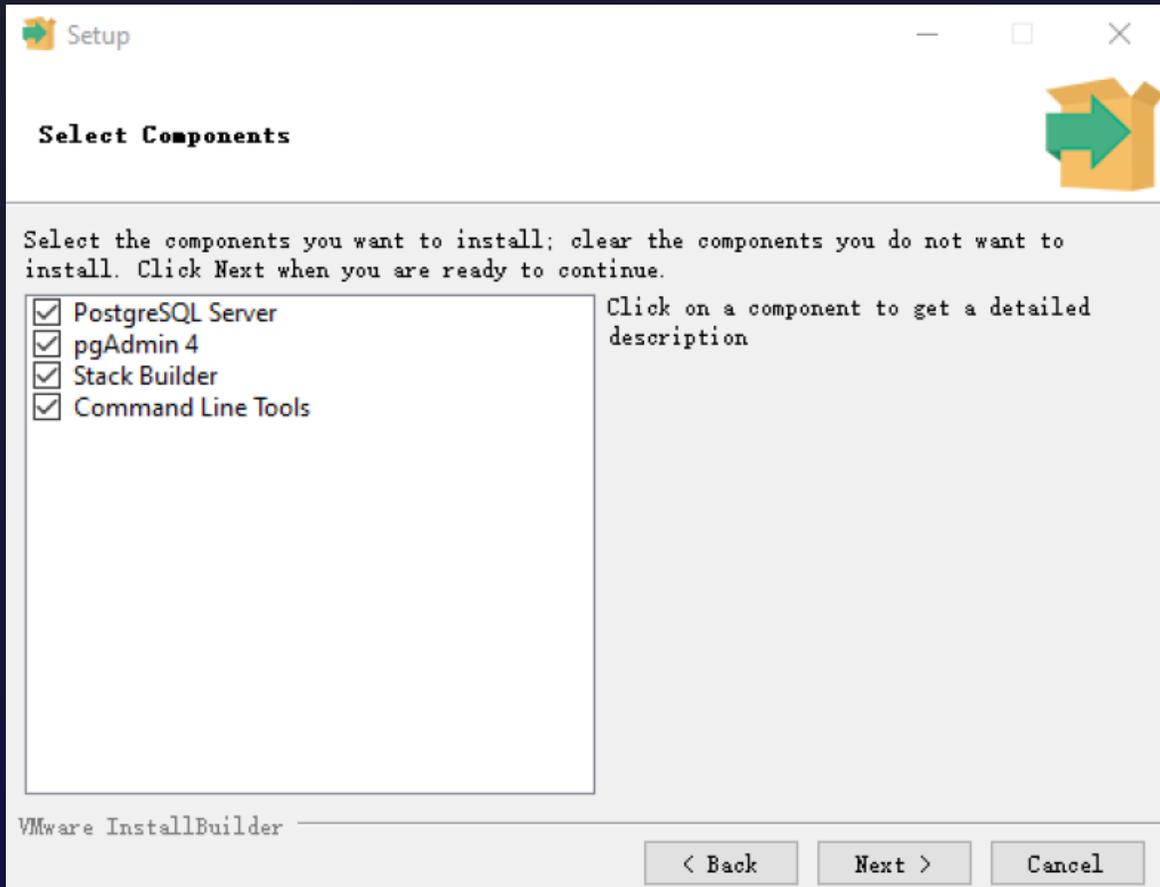


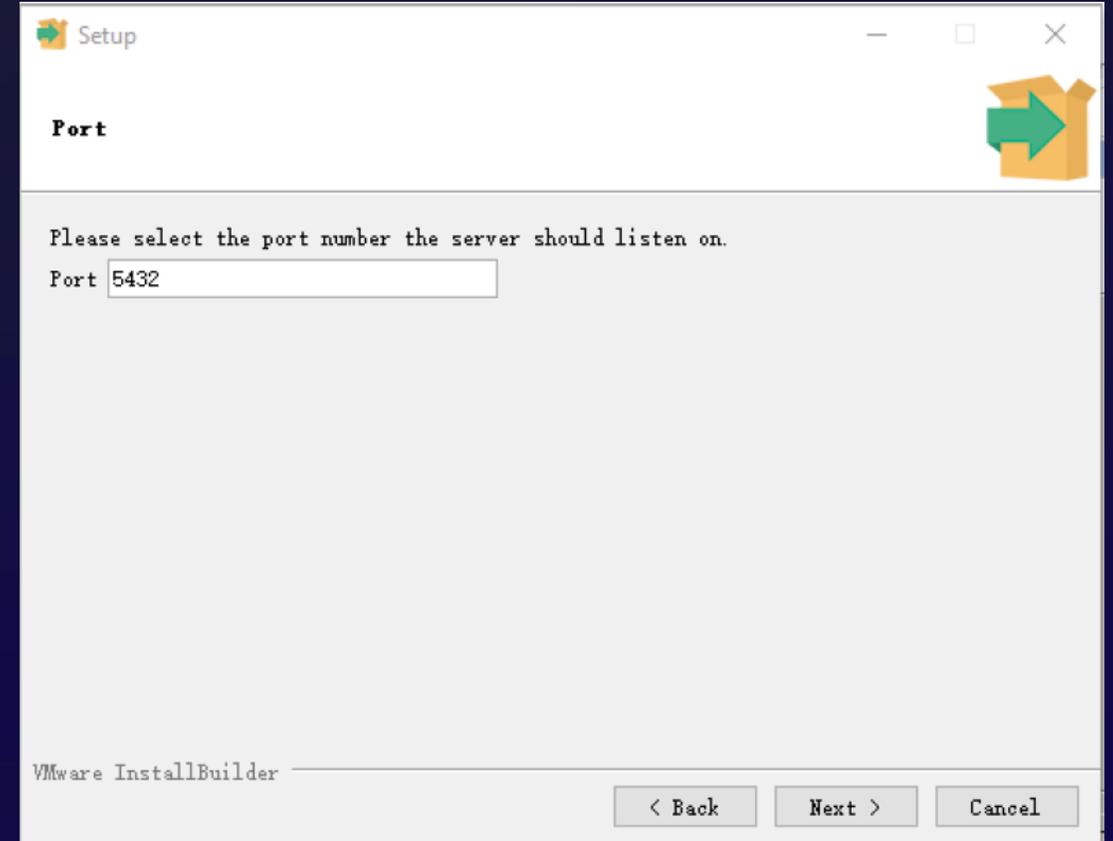
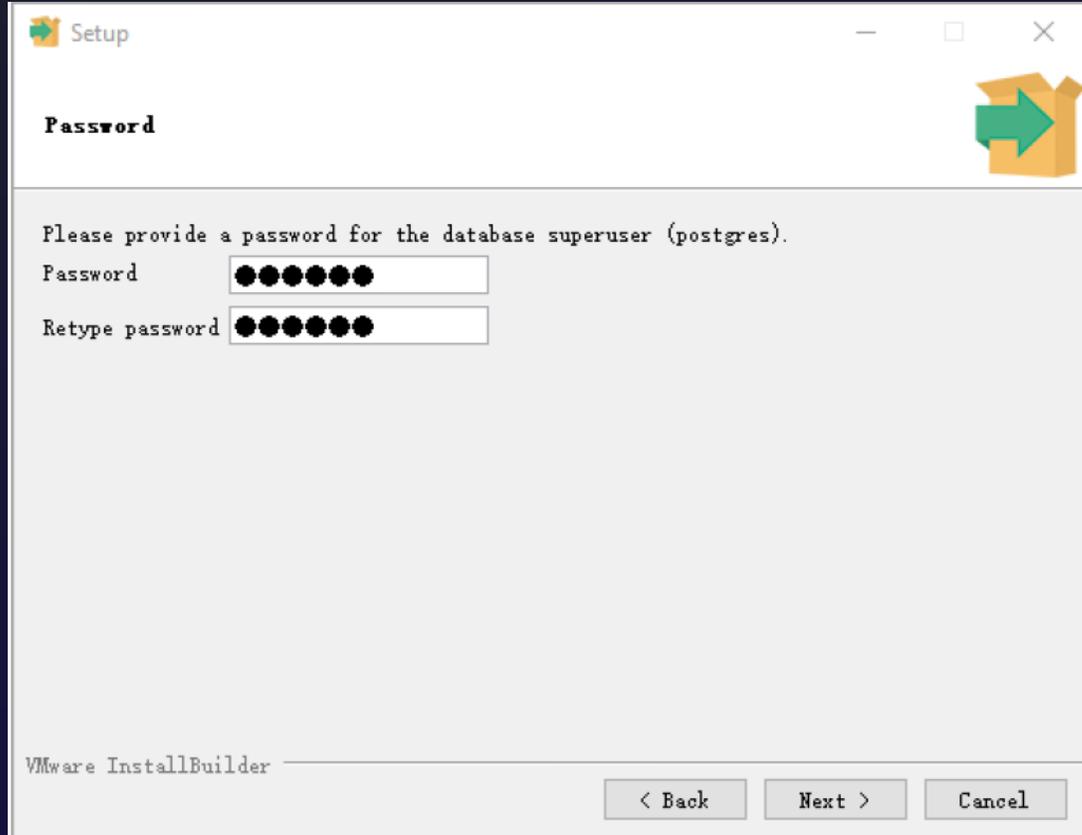




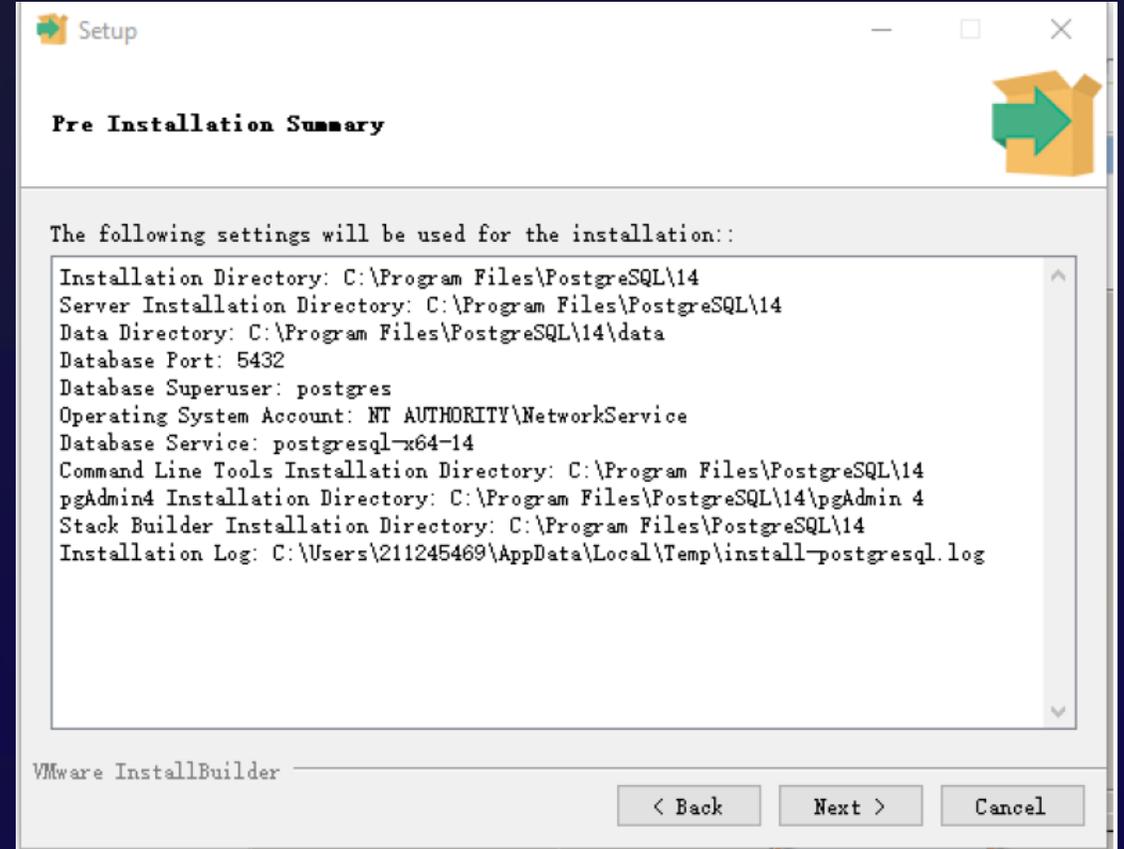
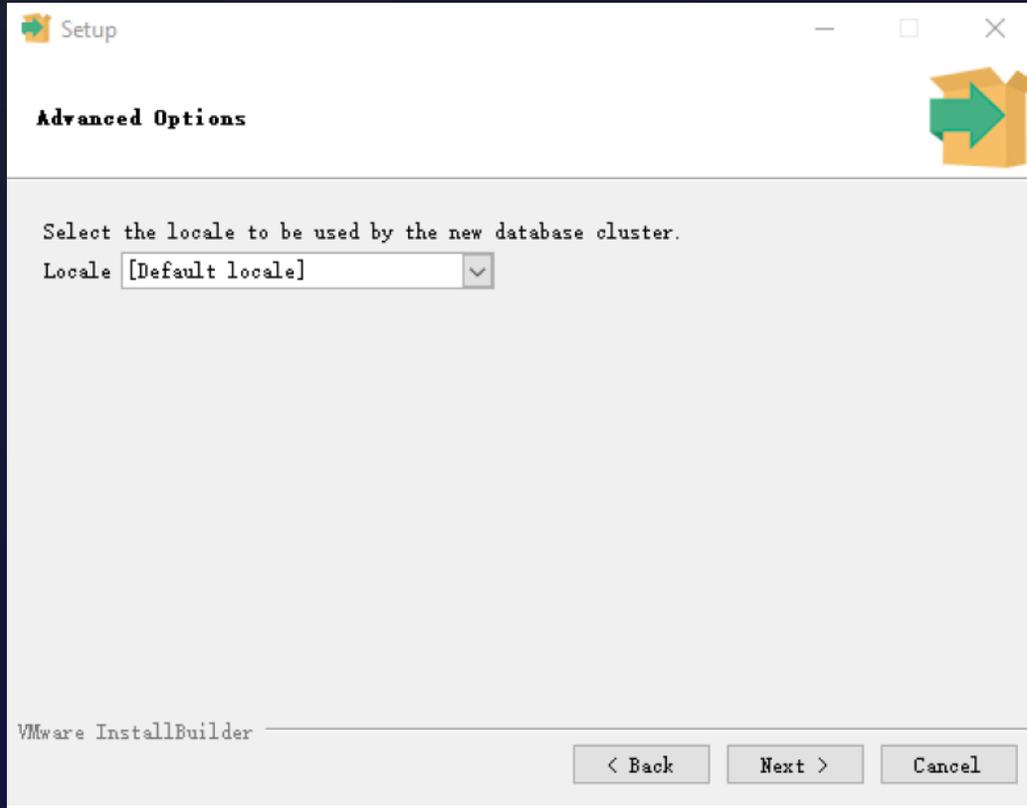


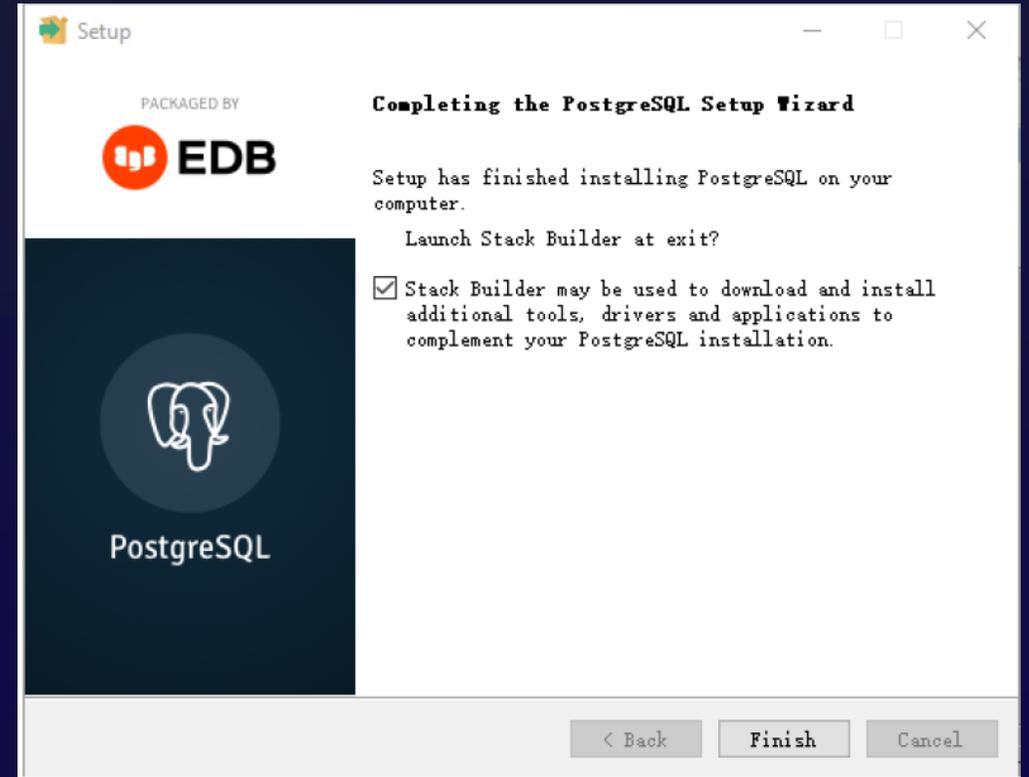
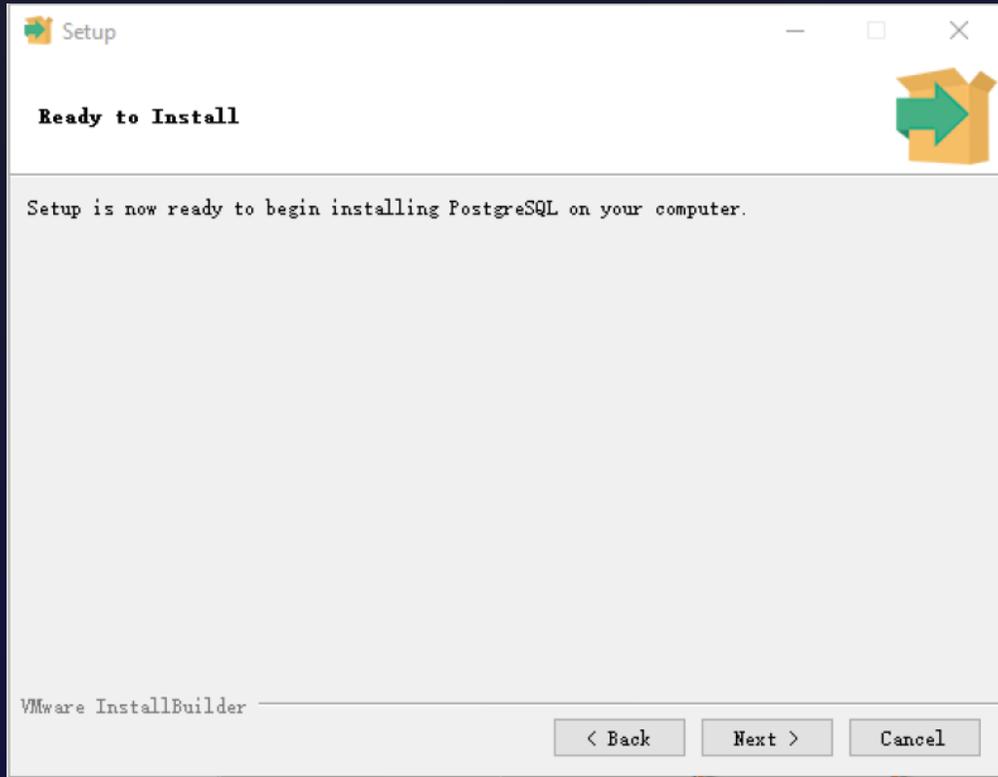






Senha padrão: 123456





Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

MS (Serial Port)

MS (Ethernet Port)

Repeater

E-pack

License

Logs

* Local IP Address

127.0.0.1

9/20

* Local Port

61400

5/20

* Local Voip Start Port

19000

5/20

Auto GPS Report



Talker Alias



Disable Enhanced RRS



+ Add

✎ Modify

🗑 Delete

Server List

IP	Port
<input type="radio"/> 127.0.0.1	61400

⏹ Stop

🔄 Restart

📄 Service started.

💾 Save

🚫 Cancel

- Basic
- MS (Serial Port)**
- MS (Ethernet Port)
- Repeater
- E-pack
- License
- Logs

+ Add | Modify | Delete

MS (Serial Port) List

Alias	Pseudo ID	IP
No Data		

Add DS

* Alias 0/20

* Pseudo ID 0/20

Virtual IP 0/20 Connect

Quick GPS Only GPS Data Palm Microphone

Speaker ▾

Microphone ▾

Cancel OK

Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

MS (Serial Port)

MS (Ethernet Port)

Repeater

E-pack

License

Logs

+ Add

Modify

Delete

MS (Ethernet Port) List

Alias	Pseudo ID
 No Data	

Add DS

* Radio ID

0/20

* Alias

0/20

IP Site ID

0/20

Pseudo ID

0/20

* Subnet ID

0/20

Only Quick GPS

Only GPS Data

Cancel

OK

Stop

Restart

Service started.

Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

MS (Serial Port)

MS (Ethernet Port)

Repeater

E-pack

License

Logs

Advanced Settings

Repeater

+ Add

Modify

Delete

Repeater List

Radio ID

Alias

IP Site ID

AddRepeater

* Radio ID

* Alias

0/20

0/20

IP Site ID

Pseudo ID

1 1/20

0 1/20

Slot1

Slot2

Cancel

OK

Stop

Restart

Service started.

Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

MS (Serial Port)

MS (Ethernet Port)

Repeater

E-pack

License

Logs

↑ Click to upload License file

License Version: V1.0.06.006

Serial Number:

Radio Quantity: 60

DS Quantity: 5

Repeater/Epac
Quantity: 15

Client Quantity: 2

DMR Gateway
Quantity: 2

E-pack Gateway
Quantity: 0

XPT Gateway
Quantity: 1

Expiry Date 2024-6-19

Serial Number of Licensed DS



No Data

⏹ Stop

🔄 Restart

ℹ Service started.

Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

MS (Serial Port)

MS (Ethernet Port)

Repeater

E-pack

License

Logs

Single File Size

30 2/2 MB

Log Level

Error ^

System

Error

Warning

Info

Debug

Stop

Restart

Service started.

Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

Database

Zone Alarm

SIP Call

License

Logs

Overspeed Alarm

Lone Worker

Work Order

* Local IP Address

127.0.0.1

9/20

* Command Port

61400

5/5

* VoIP Port

17000

5/5

Message Retry Count

2

1/5

System

Common/XPT



Auto GPS Subscription



Recording in vrds Format



Recording File Location

C:\ProgramData\RDS\RDS Server\Record



Google Api Key

0/100

⏹ Stop

🔄 Restart

📘 Service started.

Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

Database

Zone Alarm

SIP Call

License

Logs

Overspeed Alarm

Lone Worker

Work Order

* Server IP

127.0.0.1

9/20

* Database Name

rds

3/20

* Username

postgres

8/20

* Password

12345

0/20

Connect

Initialize Database

Backup Database

Schedule Backup

Restore Database

⏹ Stop

🔄 Restart

📄 Service started.

Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

Database

Zone Alarm

SIP Call

License

Logs

Overspeed Alarm

Lone Worker

Work Order

Send Alarm Message



Cross-zone Alarm

Alarm Message

0/200

Cancel Alarm Message

0/200

Regional Speed Limit

Overspeed Alarm Message

0/200

Cancel Overspeed Alarm Message

0/200

Low-speed Alarm Message

Cancel Low-speed Alarm Message

Stop

Restart

Service started.

Save

Cancel

Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

Database

Zone Alarm

SIP Call

License

Logs

Overspeed Alarm

Lone Worker

Work Order

Enable SIP



Local Port

5060

4/20

Message Prefix

SIP:

4/20

Auto Registration



ID

12345

5/20

Password

123456

6/20

Domain

127.0.0.1:5060

14/20

⏹ Stop

🔄 Restart

📄 Service started.

Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

Database

Zone Alarm

SIP Call

License

Logs

Overspeed Alarm

Lone Worker

Work Order

⬆️ Click to upload License file

License Version: V1.0.06.006

Serial Number:

USB Dongle ID

Local USB Dongle ID

Radio Quantity: 60

DS Quantity: 5

Client Quantity: 2

Repeater/Epack
Quantity: 15

DMR Gateway
Quantity: 2

E-pack Gateway
Quantity: 0

XPT Gateway
Quantity: 1

Expiry Date: 2024-6-19

Licensed Modules ▾

AudioLink

AutoBackupPlugin

CCallCtrlPlugin

CDisableServerPlugin

CEmgAlarmServicePlugin

CGeoDefenceAlarmServerPlugin

CLogicGroupManagerPlugin

CLoneworkPlugin

COfflineGPSData

COverspeedAlarmPlugin

< 1 2 3 >

⏹ Stop

🔄 Restart

📄 Service started.

Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

Database

Zone Alarm

SIP Call

License

Logs

Overspeed Alarm

Lone Worker

Work Order

Single File Size

10 2/2 MB

Log Level

Error ^

System

Error

Warning

Info

Debug

⏹ Stop

🔄 Restart

📄 Service started.

Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

Database

Zone Alarm

SIP Call

License

Logs

Overspeed Alarm

Lone Worker

Work Order

Enable



Speed Limit

120

3/3

km/h



Buffer Time

0

1/20

Send Alarm Message



Alarm-occurring Message

0/200

Alarm-canceling Message

0/200

⏹ Stop

🔄 Restart

📄 Service started.

Save

Cancel

Gateway Settings

Gateway Console

Server Settings

Server Console

Basic

Database

Zone Alarm

SIP Call

License

Logs

Overspeed Alarm

Lone Worker

Work Order

Alarm Trigger Interval

30 2/20 s

Reminding Time

5 1/20 s ⓘ Reminding Time <= Alarm Trigger Interval

Worker-occurring Message

Start LoneWork 14/200

Worker-canceling Message

Stop LoneWork 13/200

⏹ Stop

🔄 Restart

ⓘ Service started.

Save

Cancel

Gateway Settings

Gateway Console

Server Settings

Server Console

- Basic
- Database
- Zone Alarm
- SIP Call
- License
- Logs
- Overspeed Alarm
- Lone Worker
- Work Order

30:
Task0 5/100

31:
Task1 5/100

32:
Task2 5/100

33:
Task3 5/100

34:
Task4 5/100

35:
Task5 5/100

36:
Task6 5/100

37:
Task7 5/100

⏹ Stop

🔄 Restart

📄 Service started.

 admin

Lembrar senha

[Configurações](#)

 127.0.0.1

 61400

Login



Resources

Search 🔍 All ▾ 🗨️ ▾

- ▶ Device Details
- ▶ Blacklist
- ▶ Dispatcher
- ▶ SIP Communication
- ▶ Interconnection

👤 admin(administrator)
📅 2024-07-27 12:56:14
License will expire on 2024-09-30

- 🔑 Change Password
- 🗨️ Change CallID
- ⚙️ System Settings**
- 💡 About
- 🚪 Log Out

Log



Type	System	Time	Content
		2024-07-27 13:03:22	[administrator] added timed message [Bom dia !]



Resources

Search All

▶ Device Details

▶ Blacklist

▶ Dispatcher

▶ SIP Communication

▶ Interconnection



System Settings



Basic

Call

Map

Log

Mute Group

Sound Card

Speaker

Microphone

Soundtrack

DS-based Call Left Right

Inter-dispatcher Call Left Right

SIP Call Left Right

Audio Playback Left Right

Devices on the Map

Show Alias

Unit

Third Party

Cancel

Ok



System Settings

Basic

Call

Map

Log

Mute Group

PTT

Short Press

External PTT

PTT Shortcut

Alarm

[Emergency Alarm]Center on the Map

[Emergency Alarm]Show Alarm Temporarily

Mute

Alarm Sound

C:\Program Files (x86)\Smart Dispatch Plus\Clic

VoIP

VoIP Port

Private Call

Show Radios on Call Pane

Cancel

Ok

Resources

Search

All

▶ Device

Details

▶ Blacklist

▶ Dispatcher

▶ SIP Communication

▶ Interconnection

Type

or] added timed message [Bom dia !]



Resources

Search

All



▶ Device Details

▶ Blacklist

▶ Dispatcher

▶ SIP Communication

▶ Interconnection

Basic

Call

Map

Log

Mute Group

AMap

Map File

GoogleMapLocal

Map File

GoogleMap

Map File

Google Satellite map

Map File

OpenStreetMap

Map File

Cancel

Ok

Type

or] added timed message [Bom dia !]

Resources

- Search Q All
- ▶ Device Details
 - ▶ Blacklist
 - ▶ Dispatcher
 - ▶ SIP Communication
 - ▶ Interconnection

Basic

Log File Size MB

Call

Type

Map

Log

Mute Group

Cancel

Ok

Recording Playback

or] added timed message [Bom dia !]



Resources

Search

All



- ▶ Device Details
- ▶ Blacklist
- ▶ Dispatcher
- ▶ SIP Communication
- ▶ Interconnection

Basic

Enable

Call

Alias

Map

Description

Log

 0/200

Mute Group

▼ Available Group

- Select All
 - All Call
 - 100
 - 200

Cancel

Ok

Recording Playback

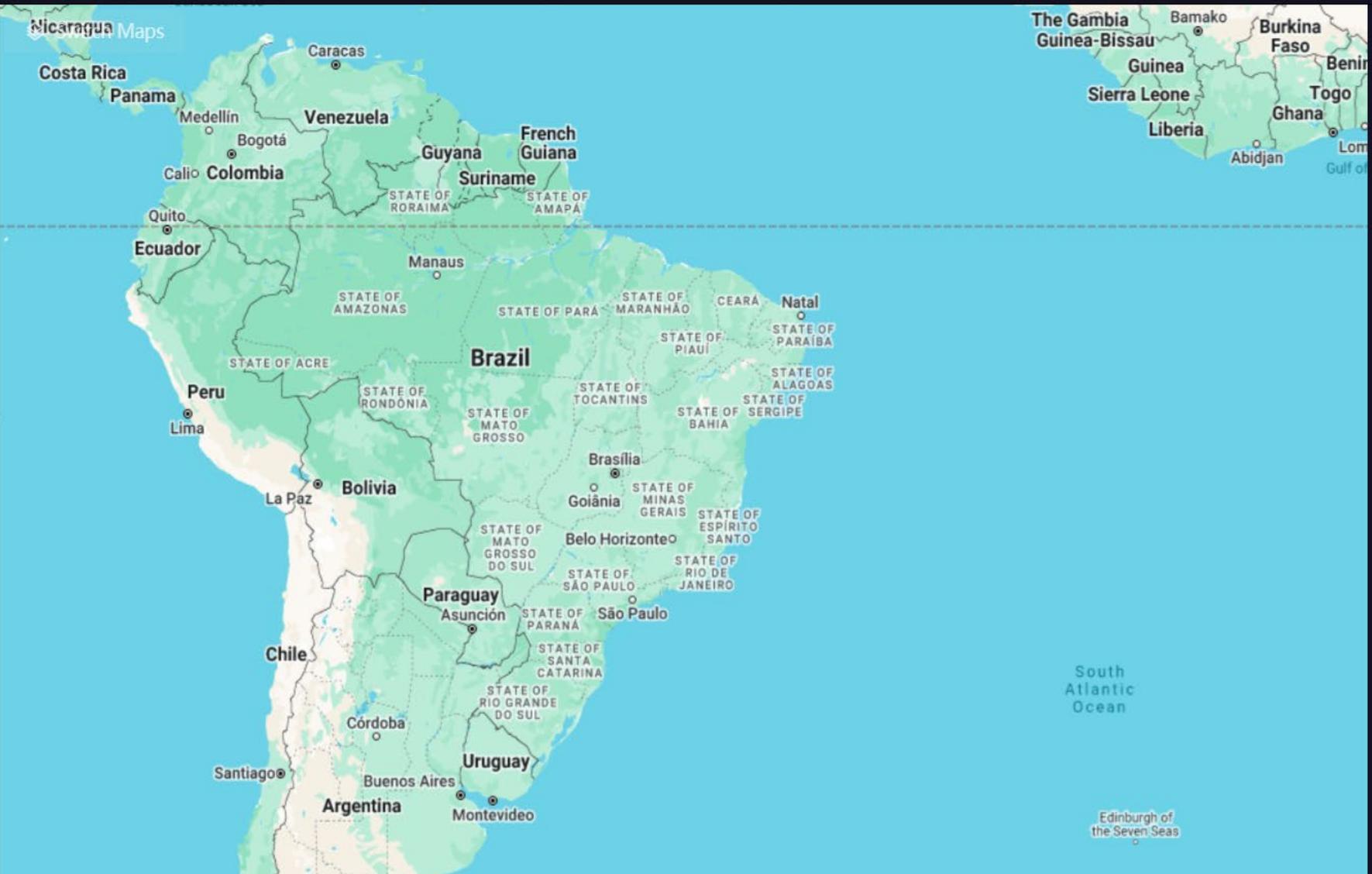
or] added timed message [Bom dia !]



Resources

- Search All
- ▶ Device Details
 - ▶ Blacklist
 - ▶ Dispatcher
 - ▶ SIP Communication
 - ▶ Interconnection

- Clear
- Refresh
- Distance
- Area
- Save Current View
- Restore Last Saved View
- Google Earth



- Custom Zone
- Speed Alarm
- Zone-based Speed Alarm
- Geofencing Alarm
- POI



Resources

Search All

▼ Device Details

▼ Others

Radio

Check Online

Disable

Enable

Locate

Historical Track

Show on the Map

Center on the Map

Add to Blacklist

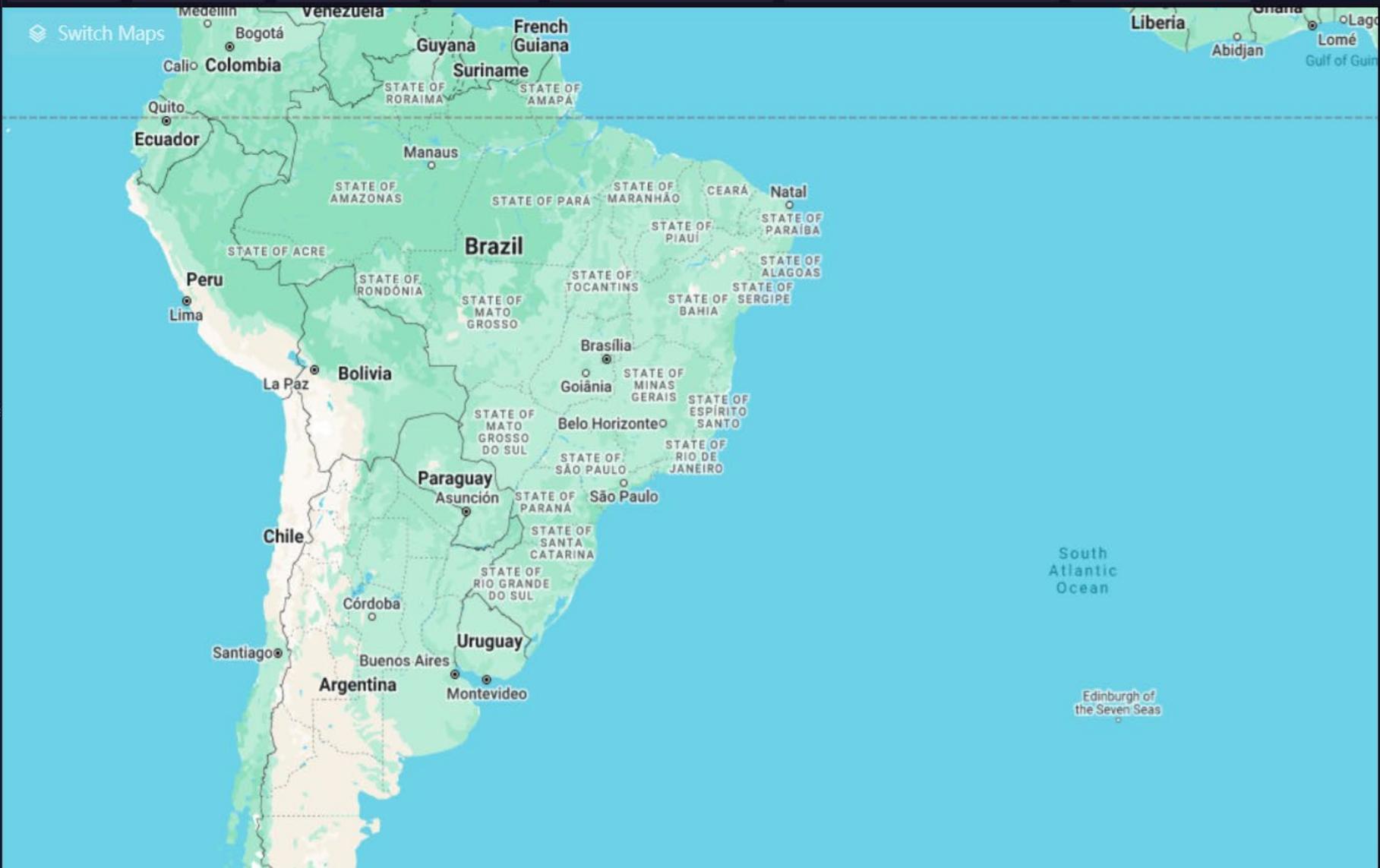
▶ Blacklist

▶ Dispatcher

▶ SIP Communication

▶ Interconnection

Clear
 Refresh
 Distance
 Area
 Save Current View
 Restore Last Saved View
 Google Earth



Custom Zone

Speed Alarm

Zone-based Speed Alarm

Geofencing Alarm

POI



Query criteria

Start Time

2024-07-27 00:00:00

End Time

2024-07-27 13:50:49

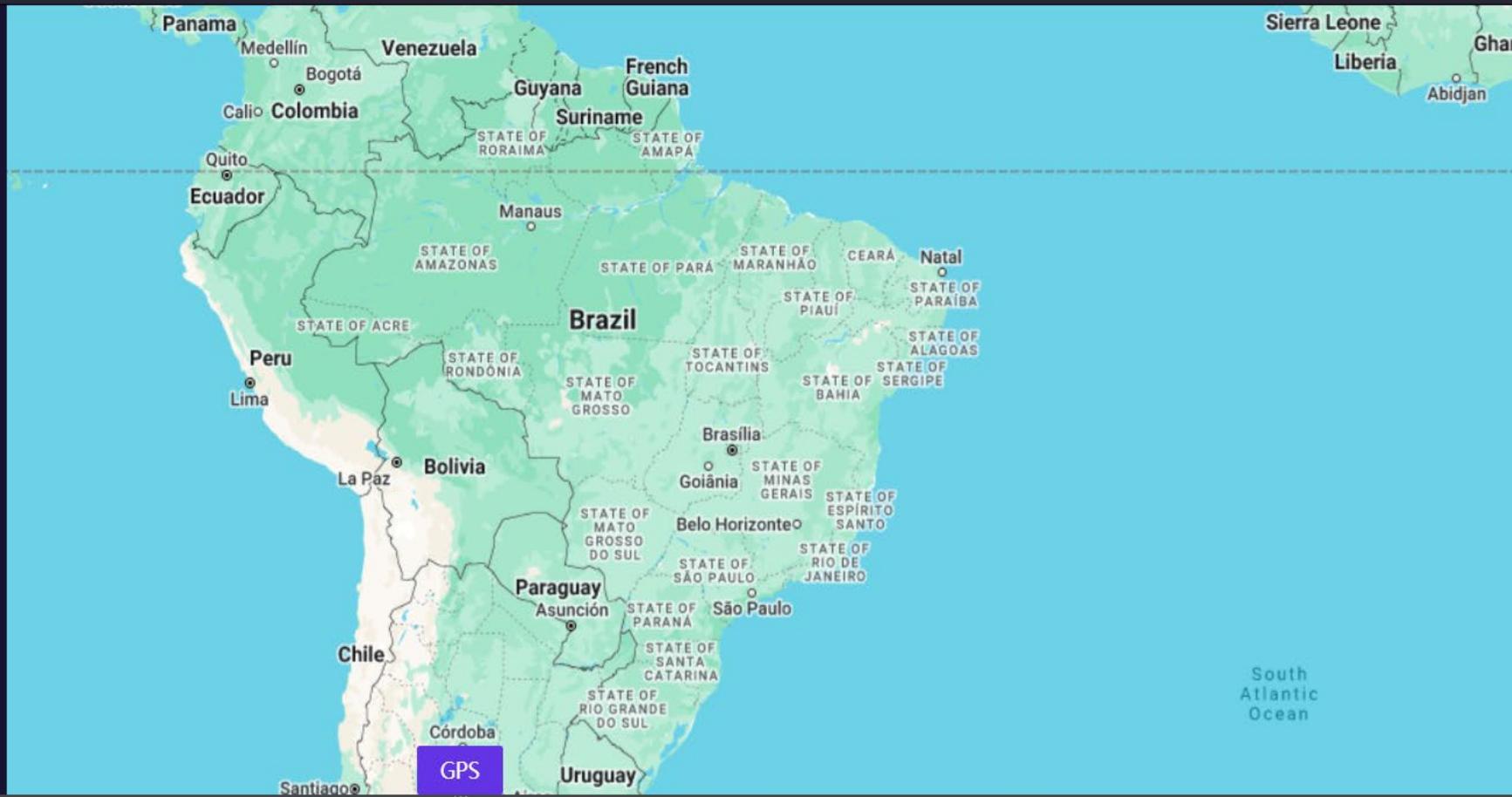
Terminal

Radio 10

Event type

Geofencing alarm

Search



Full path display
 History track replay

Import
 Export

Terminal :() Total number of nodes :0 Total distance :0 m The current point :0

Index	Terminal alias	Positioning time	Longitude	Latitude	Speed	Direction	Gps type	RSSI	Description





Report

Result Export

Report Type

Call Log

Start Time

2024-07-27 00:00:00

End Time

2024-07-27 13:29:24

Caller

Radio 10(10)

Callee

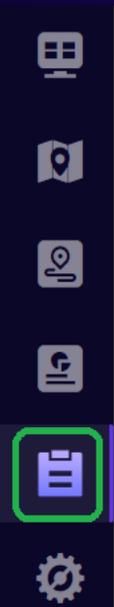
Grupo 1(100)

Call Type

Group Call

Search

No.	Caller	Callee	Call Type	Start Time	Call Duration	Operation
 No Data						

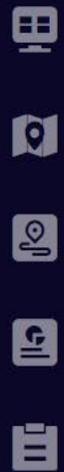


Unassigned | Assigned | Query | Statistics | Template

+ Add | Edit | Delete | Assign | Remark

<input type="checkbox"/>	Status	Order No. ▾	Created At	Priority	Content	Scheduled Finish Time	Rejected By	Remark
--------------------------	--------	-------------	------------	----------	---------	-----------------------	-------------	--------

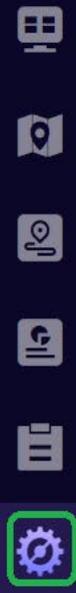

No Data



Device ID	Alias	Device Type	SN	Operation
		 No Data		



- Dispatch Station
- Group**
- Device
- Account
- Interconnection
- Mail Access
- Timed Messages
- Telemetry
- Low Speed Alarm

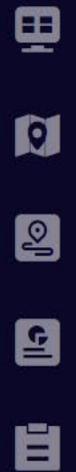


Group Organization

+ Add

View Template Import Export

Group ID	Alias	Description	Operation
100	Grupo 1		View Edit Delete
200	Grupo 2		View Edit Delete



+ Add

View Template | Import | Export

Device ID	Alias	Description	Group	Operation
10	Radio 10		Grupo 1	View Edit Delete
20	Radio 20		Grupo 2	View Edit Delete



- Dispatch Station
- Group
- Device**
- Account
- Interconnection
- Mail Access
- Timed Messages
- Telemetry
- Low Speed Alarm

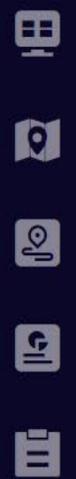
+ Add

Device ID	Alias
10	Radio 10
20	Radio 20

Add

* Device ID	<input type="text" value="30"/>	* Alias	<input type="text" value="Radio 30"/>
Device Type	<input type="text" value="Digital"/>	* Icon	<input type="text" value="Portable Radio"/>
Description	<input type="text"/>	* Group	<input type="text" value="Grupo 1"/>
Organization	<input type="text" value="Org root x"/>	Registration Interval (s)	<input type="text" value="300"/>
With Display Module	<input type="checkbox"/>	Enable GPS	<input checked="" type="checkbox"/>
With GPS Module	<input checked="" type="checkbox"/>	GPS Time (s)	<input checked="" type="checkbox"/> <input type="text" value="30"/>
		Distance (m)	<input type="checkbox"/> <input type="text" value="100"/>
<input type="checkbox"/> Telemetry			

Cancel Ok



+ Add

User Name	Alias	Call ID	Role	Description	Operation
Teste	Teste	112233	Dispatcher		Edit Change Password Delete

Total: 1 < 1 >



- Dispatch Station
- Group
- Device
- Account**
- Interconnection
- Mail Access
- Timed Messages
- Telemetry
- Low Speed Alarm



+ Add

User Name	Alias
Teste	Teste

×

* User Name:

* Alias:

* Call ID:

* Role:

Description:

Available DS:

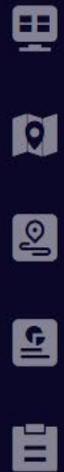
Available Group:

Available Feature:

Cancel Ok

Delete

Total: 1 < 1 >



+ Add Edit Delete

Enable

Alias

Mode



No Data



- Dispatch Station
- Group
- Device
- Account
- Interconnection**
- Mail Access
- Timed Messages
- Telemetry
- Low Speed Alarm



L 20%

R 23%



+ Add

✎ Edit

Enable

Add Interconnection



Alias

Link G1 para G2

Mode

One DS repeats the calls to multiple DSs

Enable

List 1

All Call



List 2

All Call



Cancel

Ok



- Dispatch Station
- Group
- Device
- Account
- Interconnection
- Mail Access**
- Timed Messages
- Telemetry
- Low Speed Alarm

Device ID	Alias	Device Type	SN	Operation
-----------	-------	-------------	----	-----------


No Data



L 20%

R 23%



Edit

SMTP

POP3

Forward Received Message

Forward Sent Message

From

To

SMTP Server IP

SMTP Server Port

Use SSL Protocol

SMTP Login Type

User Name

Password

Send Test Email



+ Add Edit Delete

Message Content	Repeat	Start Time
<input type="checkbox"/> Bom dia !	Weekly(Monday Tuesday Wednesday Thursday Friday)	08:00:00

< 1 >



- Dispatch Station
- Group
- Device
- Account
- Interconnection
- Mail Access
- Timed Messages**
- Telemetry
- Low Speed Alarm



+ Add Edit

Message Content

Bom dia !

Edit timed message



Monthly Day

Weekly

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

Daily

Start Time

(HH:MM:SS)

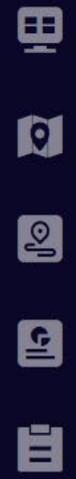
Message Content

9/255

Sending Terminal

- All
- ▼ Grupo 2(1)
 - Radio 20
- ▼ Grupo 1(1)
 - Radio 10

Cancel Ok



+ Add Edit Delete

Direction	Rule	Description
		No Data



- Dispatch Station
- Group
- Device
- Account
- Interconnection
- Mail Access
- Timed Messages
- Telemetry**
- Low Speed Alarm



+ Add Edit Delete

Direction	Description

Add Telemetry Rule

Direction

Output

Rule

Send Inactive Voltage Command

Description

Cancel Ok

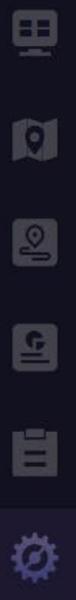


+ Add Edit Delete

Alarm Rule Alarm-occurring Message

Rule ID	Alias	Minimum Speed	Buffer Time
 No Data			

- Dispatch Station
- Group
- Device
- Account
- Interconnection
- Mail Access
- Timed Messages
- Telemetry
- Low Speed Alarm



+ Add Edit Delete

Alarm Rule Alarm-occurring Message

Rule ID

Add Alarm Rule

Rule ID:

Alias:

Minimum Speed:

Buffer Time: s

Cancel Ok

Buffer Time



Recursos

Buscar [input] [dropdown] Todos [dropdown]

- Dispositivo [checkbox] Detalhes
 - Gateway(0/0)
 - HM7(0/1)
 - HP786
 - RPT1_XPT - 1(3/0)
 - RPT1_XPT - 2(0/1)

- Lista de Bloqueio
- Despachante
- Comunicação SIP
- Interconexão

RPT1_XPT - 1 [L R] [Speaker] [Mute] [Settings] [Close]

PTT Exter... [Ch1_Z] [C2]

- Radio 1 17:36:41 (12s)
- Radio 1 17:36:26 (9s)
- Radio 1 17:36:16 (8s)
- Radio 1 17:36:00 (6s)

PTT

RPT1_XPT - 2 [L R] [Speaker] [Mute] [Settings] [Close]

PTT Exter... [Ch1_Z] [Radio]

- Radio 1 17:46:26 (4s)
- Radio 1 17:38:56 (4s)
- Radio 1 17:37:40 (5s)
- Radio 1 17:37:26 (5s)

PTT

HM7 [L R] [Speaker] [Mute] [Settings] [Close]

PTT Exter... [Ch1_Z] [HP786]

Chamador: HP786(11)
Chamado: Voz - HM7(100)

Outros

PERGUNTAS ?

Julio Roland
Trainer Engineer

