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KX-NS1000BX /KX-NS300BX
การติดตั้ง SIP Trunk กับ Catnextgen.com
Software NS300 PFMPR_004_100_770

NS300 | **Web Maintenance Console**
004.10077

Login as INSTALLER

- Users
- PBX Configuration
- UM Configuration
- Network Service
  - 1.IP Address/Ports
  - 2.Server Feature
  - 3.Client Feature
  - 4.Other

IP Address/Ports

Basic Settings | Advanced Settings | Reference

○ Obtain an IP address automatically
● Use the following IP address

IP Address	: 192.168.0.101
MAC Address	: 08:00:23:37:A5:F0
Subnet Mask	: 255.255.255.0
Default Gateway	: 192.168.0.1

DNS Setting

Port Number : 53

○ Obtain DNS server address automatically
● Use the following DNS server address

| Preferred DNS IP Address | : |
| Alternative DNS IP Address | : |

DSP IP Setting

○ Obtain DSP IP address automatically
● Use the following DSP IP address

DSP Card - 1

| IP Address | : 192.168.0.102 |
| MAC Address | : 08:00:23:A5:F1 |

OK   Cancel   Apply

กำหนด IP Address ให้ PBX /Gateway/DSP

Activation Key

1.จะต้องติดตั้งการ์ด KX-NS5100X (DSP)
2.จะต้องมี License VOIP/UM Feature (KX-NSF990)
3.จะต้องมี License IP Trunk (KX-NSM1XX)
Program ->1.Configuration->1.Slot->Activation Key

Users
PBX Configuration
1.Configuration
1.Slot
2.Portable Station
3.Option
4.Clock Priority
5.DSP Resources
2.System
3.Group
4.Extension
5.Optional Device
6.Feature
7.TRS
8.ARS
9.Private Network
10.CO & Incoming Call
11.Maintenance
UM Configuration
Network Service

Activation Key Status

Activation Key Installation

MPR-ID : F901-0900-2337-A5F0   Number of activated IP-GW : 0   / 4

Number of activated IP-Softphone : 0   / 0

Activate Pre-installed Activation keys

Activated feature	Pre-installed	Activation key	Features in total	
IP Trunk (ch)	0	4	4	
IP Proprietary Telephone/IP Softphone (ch)	0	0	0	
IP Proprietary Telephone (ch)	4	0	4	
SIP Extension (ch)	0	10	10	
IP-CS channel expansion (CS unit)	0	0	0	
One-look Network	0	0	0	
QSIG Network	0	0	0	
Two-way Recording Control	0	0	0	
Message Backup	0	0	0	
UM Port (ch)	2	0	2	
UM/E-mail (user)	0	0	0	

To activate virtual IP trunk activation keys

Restart all virtual IP Trunk cards.   Execute

เปลี่ยน Port SIP Extension 5060->15060
1.Configurtion ->1.Slot ->System Property ->Site ->Port

เปลี่ยน Port SIP Trunk 35060->5060
1.Configurtion ->1.Slot ->Virtual Slot->V-SIPGW4 ->Shelf Property

Shelf Property - Virtual SIP Gateway

Main | Timer

SIP Client Port Number	: 5060
NAT Traversal	: Off
NAT - Voice (RTP) UDP Port No.	: 16000
NAT - Keep Alive Packet Sending Ability	: Disable
NAT - Keep Alive Packet Type	: Blank UDP
NAT - Keep Alive Packet Sending Interval (s)	: 20
NAT - Fixed Global IP Address	: 0.0.0.0
STUN Ability	: Disable
STUN Client Port Number	: 33478
STUN External Address Detection Retry Counter	: 1
STUN Resending Interval	: 500 ms
SIP Called Party Number Check Ability	: Disable(High->Low)
SIP Called Party Number Search Mode	: Mode1
Symmetric Response Routing Ability	: Enable
100rel Ability	: Enable(Passive)
Ringback Tone to Outside Caller	: Disable

Users
PBX Configuration
1.Configuration
1.Slot
2.Portable Station
3.Option
4.Clock Priority
5.DSP Resources
2.System
3.Group
4.Extension
5.Optional Device
6.Feature
7.TRS
8.ARS
9.Private Network
10.CO & Incoming Call
11.Maintenance
UM Configuration
Network Service

การ Register SIP Account from CAT
1.Configurtion ->1.Slot ->Virtual Slot->V-SIPGW4 ->Port Property->Main
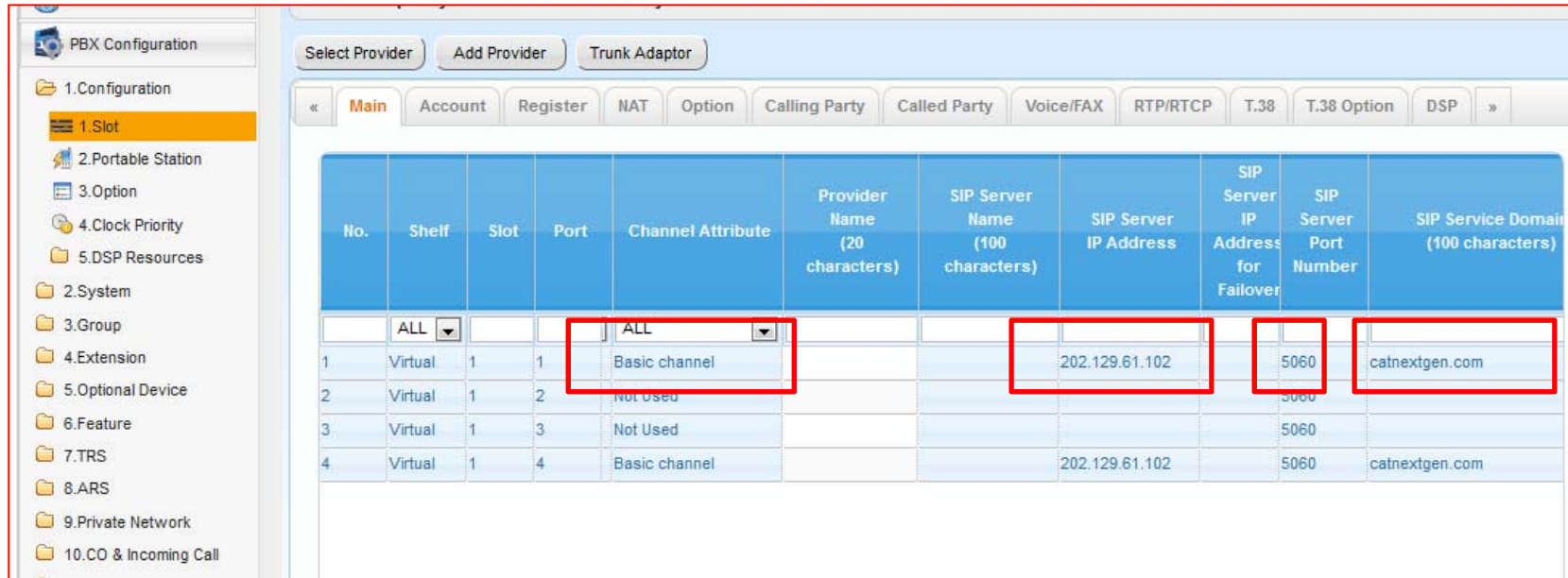
Trunk Property	->Public
Channel Attribute	->Basic Channel
SIP Server IP Address	->202.129.61.102
SIP Server Port Number	->5060
SIP Server Domain name	->catnextgen.com

การ Register SIP Account from CAT
1.Configurtion ->1.Slot ->Virtual Slot->V-SIPGW4 ->Port Property->Account

Port Property - Virtual SIP Gateway

Select Provider | Add Provider | Trunk Adaptor

« | Main | **Account** | Register | NAT | Option | Calling Party | Called Party | Voice/FAX | RTP/RTCP | T.38 | T.38 Option | DSI

No.	Shelf	Slot	Port	Connection	User Name (64 characters)	Authentication ID (64 characters)	Authentication Password (32 characters)
	ALL			ALL			
1	Virtual	1	1	OUS	+662XXXXXXX	662XXXXXXX@catnextgen.com	YYYYYY
2	Virtual	1	2	Fault			
3	Virtual	1	3	Fault			

User Name   ->+66XXXXXXXX หมายเลขโทรศัพท์
Authentication ID   -> 66XXXXXXXX@catnextgen.com
Authentication Password   -> รหัสผ่าน

การ Register SIP Account from CAT
1.Configurtion ->1.Slot ->Virtual Slot->V-SIPGW4 ->Port Property->Register

Port Property - Virtual SIP Gateway

Select Provider   Add Provider   Trunk Adaptor

« | Main | Account | **Register** | NAT | Option | Calling Party | Called Party | Voice/FAX | RTP/RTCP | T.38 | T.38 Option | DSP | »

No.	Shelf	Slot	Port	Connection	Register Ability	Register Sending Interval (s)	Un-Register Ability when port INS	Regist (10
	ALL ▼			ALL	ALL ▼		ALL ▼	
1	Virtual	1	1	INS	Enable	3600	Disable	
2	Virtual	1	2	Fault	Enable	3600	Disable	
3	Virtual	1	3	Fault	Enable	3600	Enable	
4	Virtual	1	4	INS	Enable	3600	Disable	

Register Ability   -> Enable
Un-Register Ability when port INS   -> Disable

การ Register SIP Account from CAT
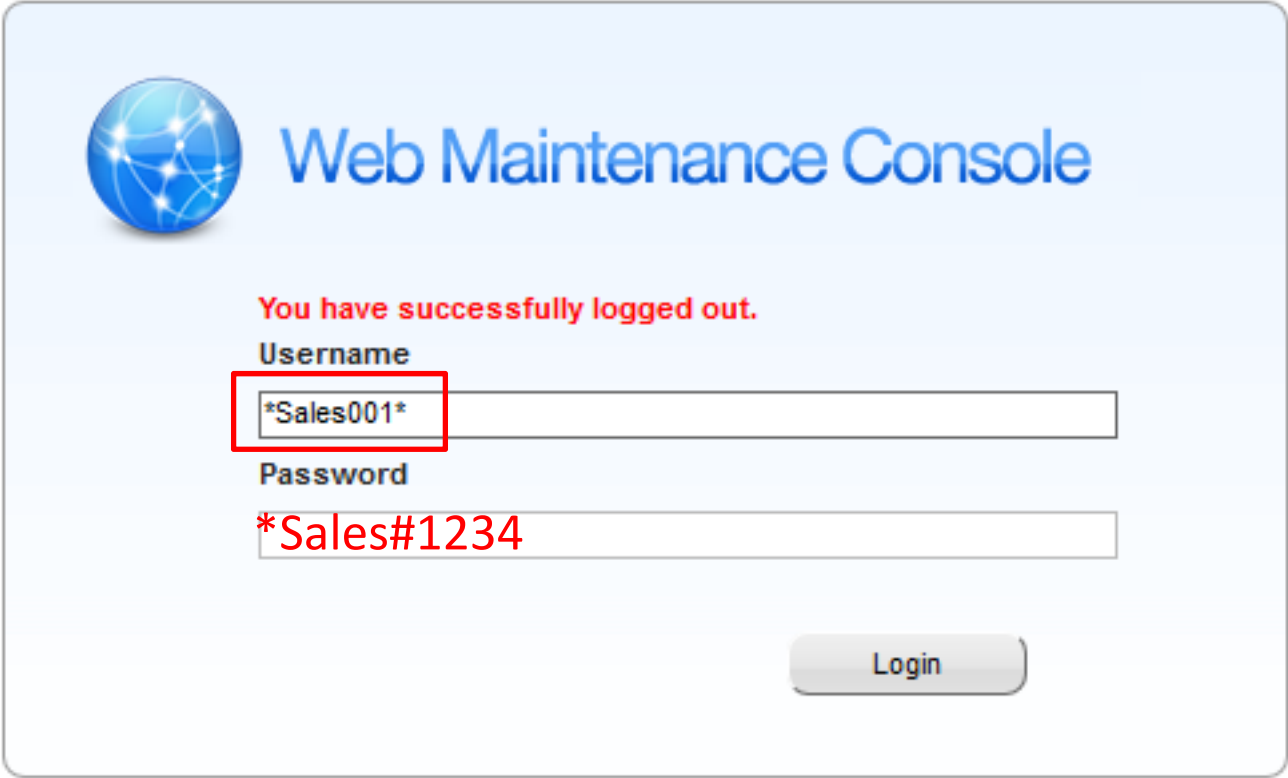## 1.Configurtion ->1.Slot ->Virtual Slot->V-SIPGW4 ->Port Property->Option

Port Property - Virtual SIP Gateway

Select Provider | Add Provider | Trunk Adaptor

« | Main | Account | Register | NAT | Option | Calling Party | Called Party | Voice/FAX | RTP/RTCP | T.38 | T.38 Option | DSP | »

No.	Shelf	Slot	Port	Connection	Session Timer Ability	Session Expire Timer (s)	Session Refresh Method
	ALL			ALL	ALL		ALL
1	Virtual	1	1	INS	Enable(Passive)	3600	re-INVITE U
2	Virtual	1	2	Fault	Enable(Passive)	180	re-INVITE U
3	Virtual	1	3	Fault	Enable(Passive)	180	re-INVITE U
4	Virtual	1	4	INS	Enable(Passive)	3600	re-INVITE U

Session Expire Timer   -> 3600

Log In ด้วยรหัสพิเศษ
1.Configurtion ->1.Slot ->Virtual Slot->V-SIPGW4 ->Port Property->Option

Web Maintenance Console

You have successfully logged out.

Username

Sales001

Password

*Sales#1234

Login

Program->2.System->9.System Option ->Reserved (Bits) 14-4

การกำหนดการเรียกเข้า Incoming Call
10. CO and Incoming Call ->2. DIL Table & Port Setting

DIL Table & Port Settings

Destination Settings

| DIL | CLI for DIL | DDI / DID / TIE / MSN |

▲ No.	Shelf	Slot	Port ⇕	Card Type	Trunk Property	Distribution Method	DIL Destination - Day	D
	ALL ▼			ALL ▼	ALL ▼	ALL ▼		
1	1	1	1	LCOT6		DIL		
2	1	1	2	LCOT6		DIL		
3	1	1	3	LCOT6		DIL		
4	1	1	4	LCOT6		DIL		
5	1	1	5	LCOT6		DIL		
6	1	1	6	LCOT6		DIL		
7	Virtual	1	1	V-SIPGW4	Public	DIL	102	
8	Virtual	1	2	V-SIPGW4	Public	DDI / DID		
9	Virtual	1	3	V-SIPGW4	Public	DDI / DID		
10	Virtual	1	4	V-SIPGW4	Public	DIL	102	