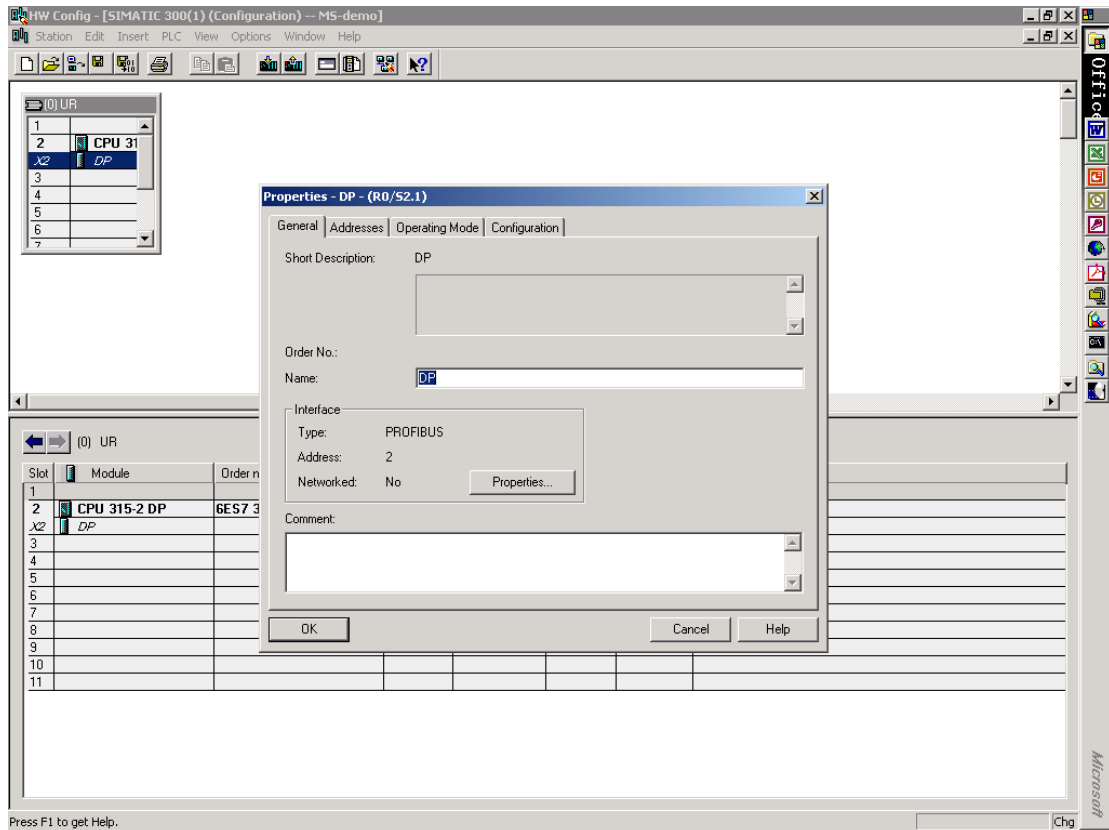
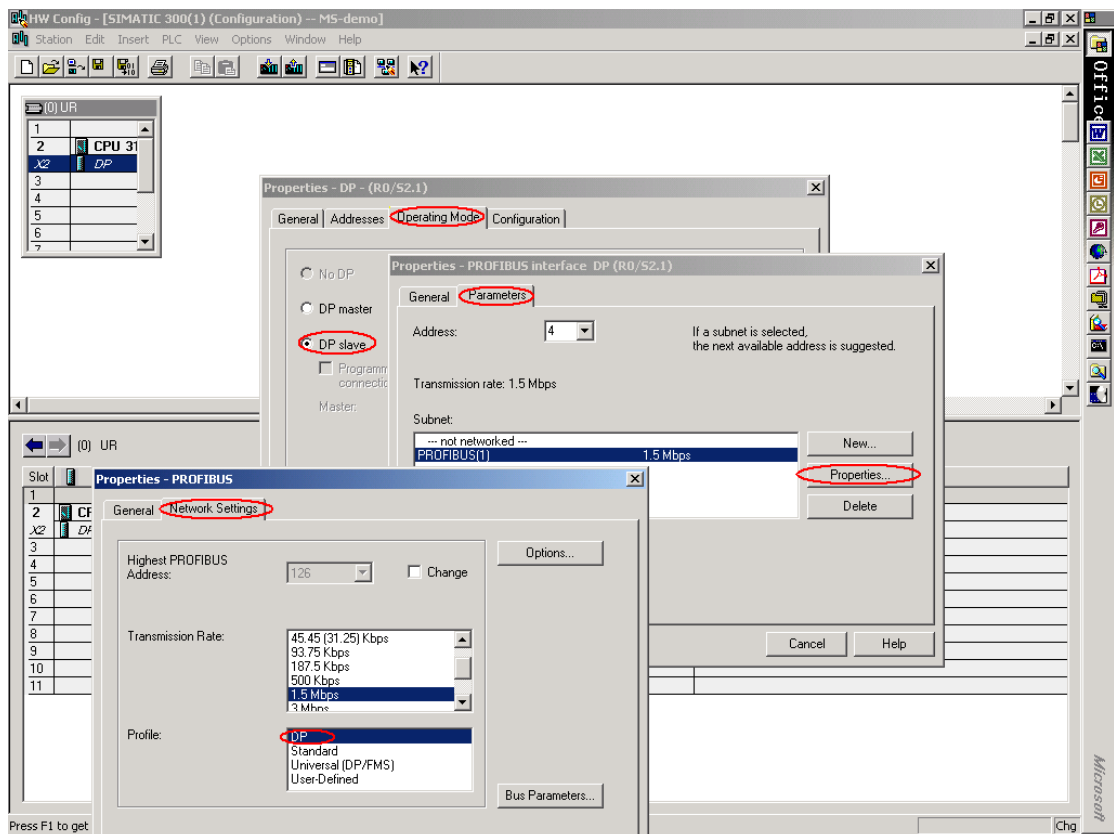


关于两个 CPU315-2DP 之间作主从(PROFIBUS-DP)的组态

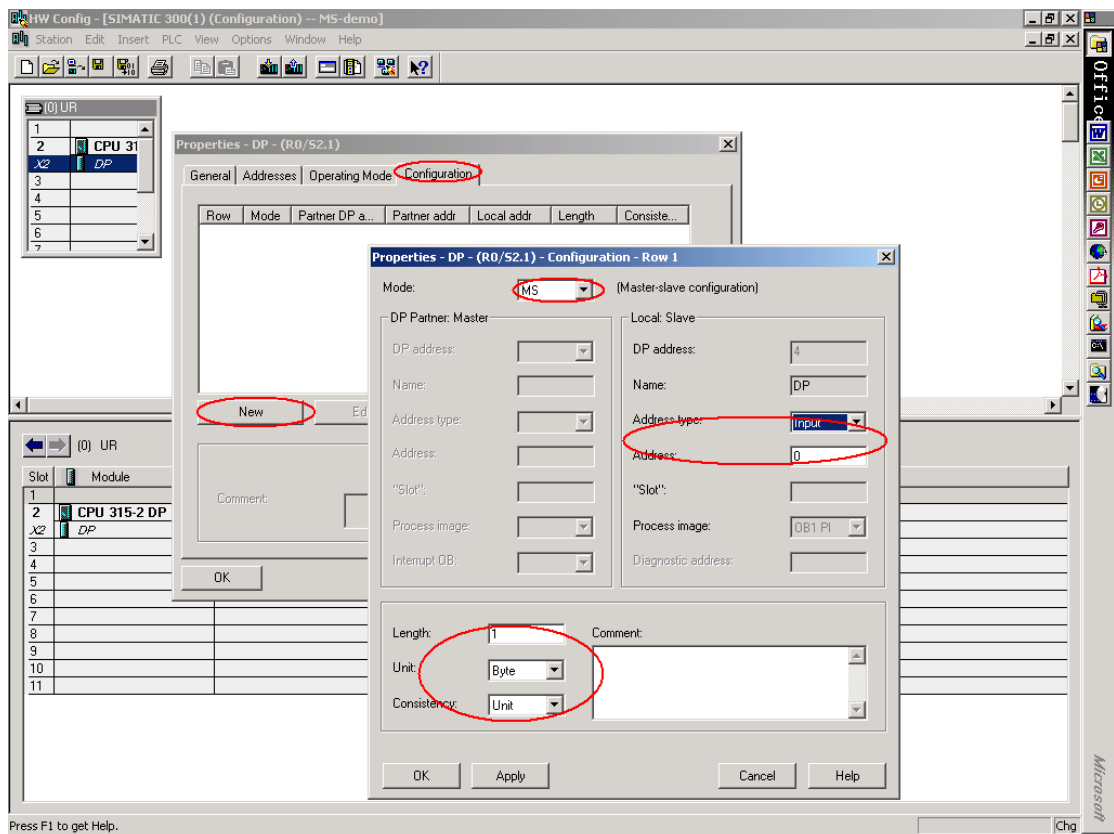
1. 先对从站进行组态:
打开硬件组态(HW), 配置如下:



在 DP Properties 对话框中选择 Operation mode 标签, 将 DP 属性设为从站(Slave)并对其它属性进行配置, 如 站址号, 波特率等.
配置页面如下:

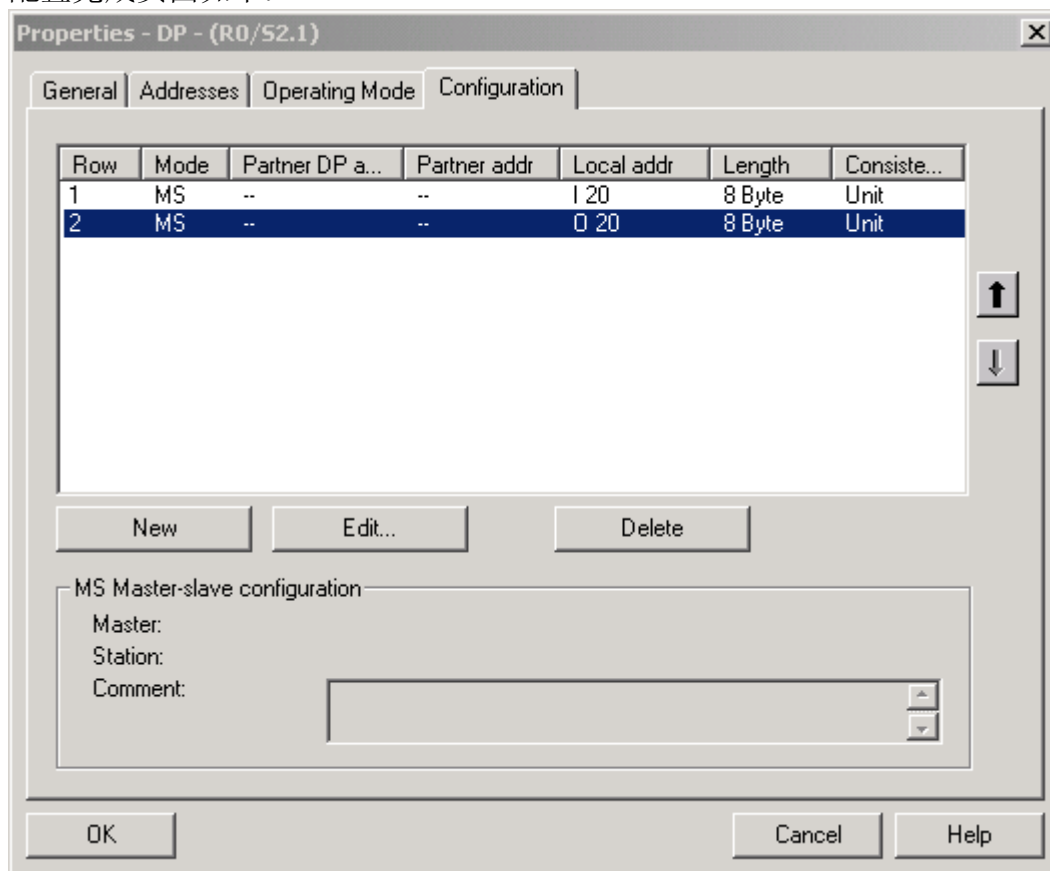


确认所有参数设定后, 回到 Properties-DP 对话框并选择 Configuration 标签, 对通讯数据区进行配置. 配置页面如下:



通过 NEW, EDIT , DELETE 标签可以添加, 编辑, 和删除所需的数据配置.

配置完成页面如下:



注意: 此时只能对本地数据(从站本身) 进行配置!

点击 OK 标签确认配置后, 编译并存盘从站的组态.

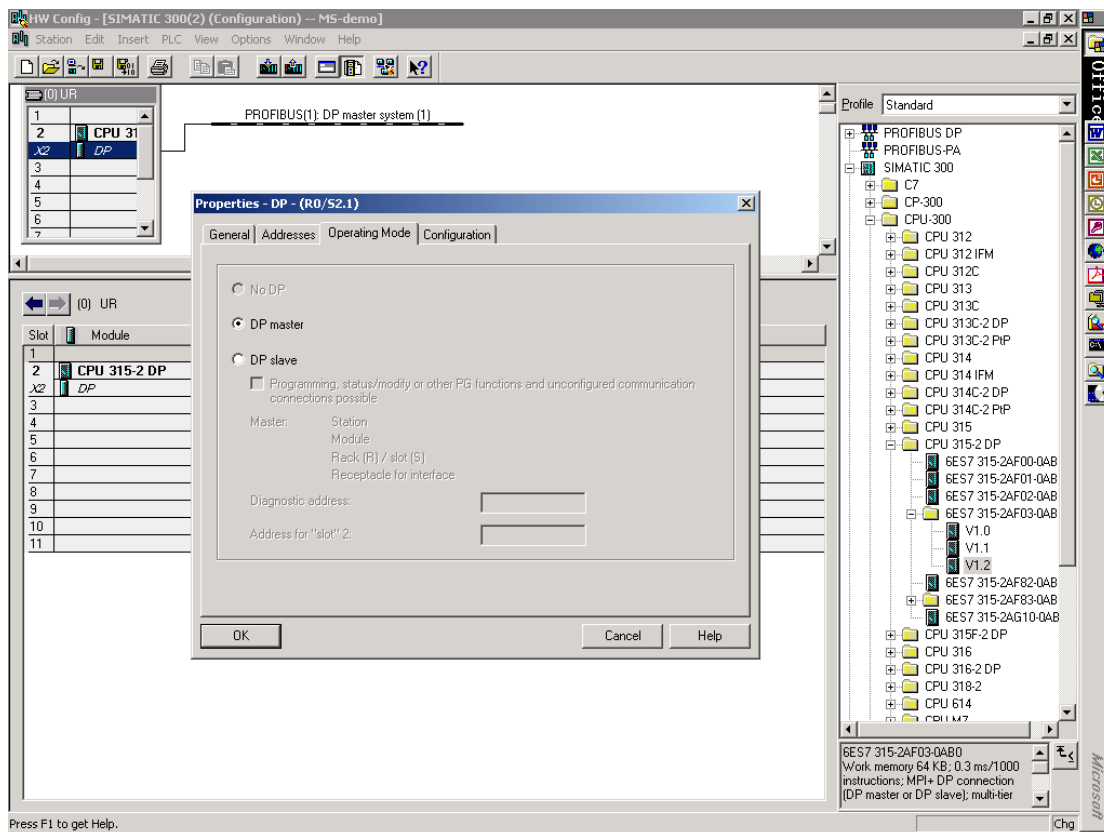
2. 对主站进行组态

结束从站组态配置后, 在同一项目下插入作为主站的 station, 并打开硬件组态对其进行配置.

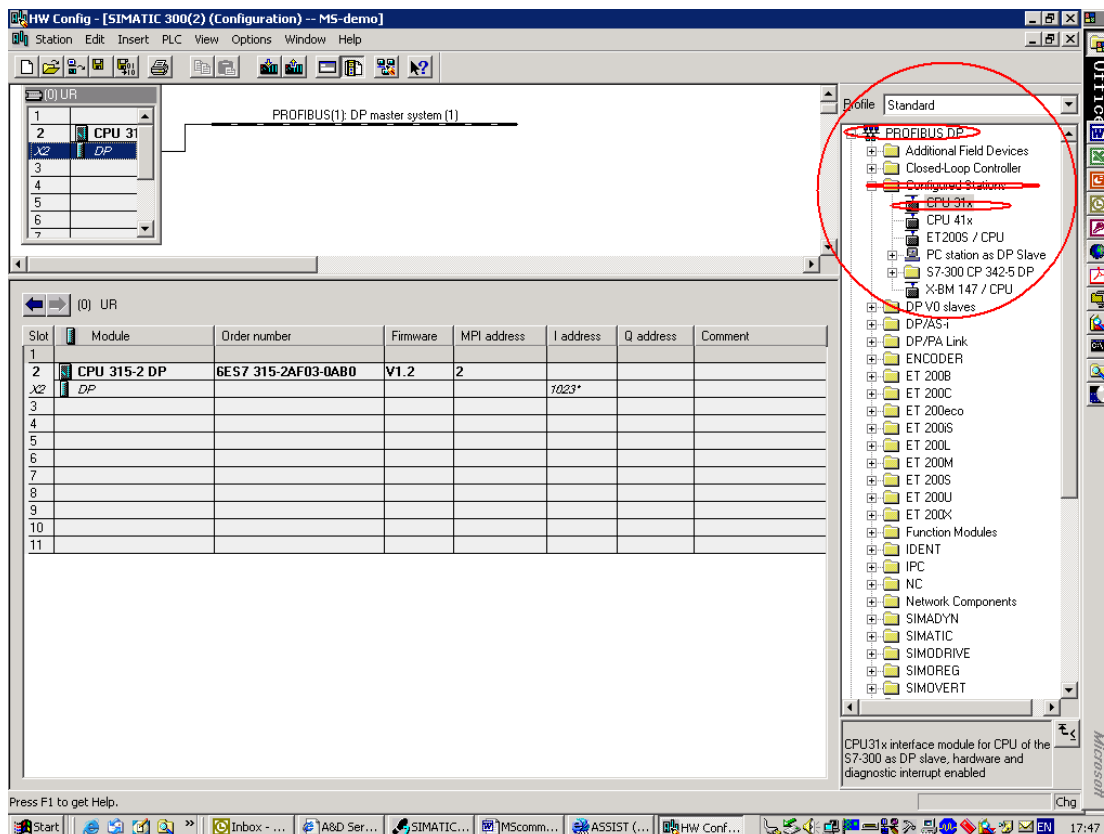
(1) 在 DP Properties 对话框中选择 Operation mode 标签, 将 DP 属性设为主站 (MASTER);

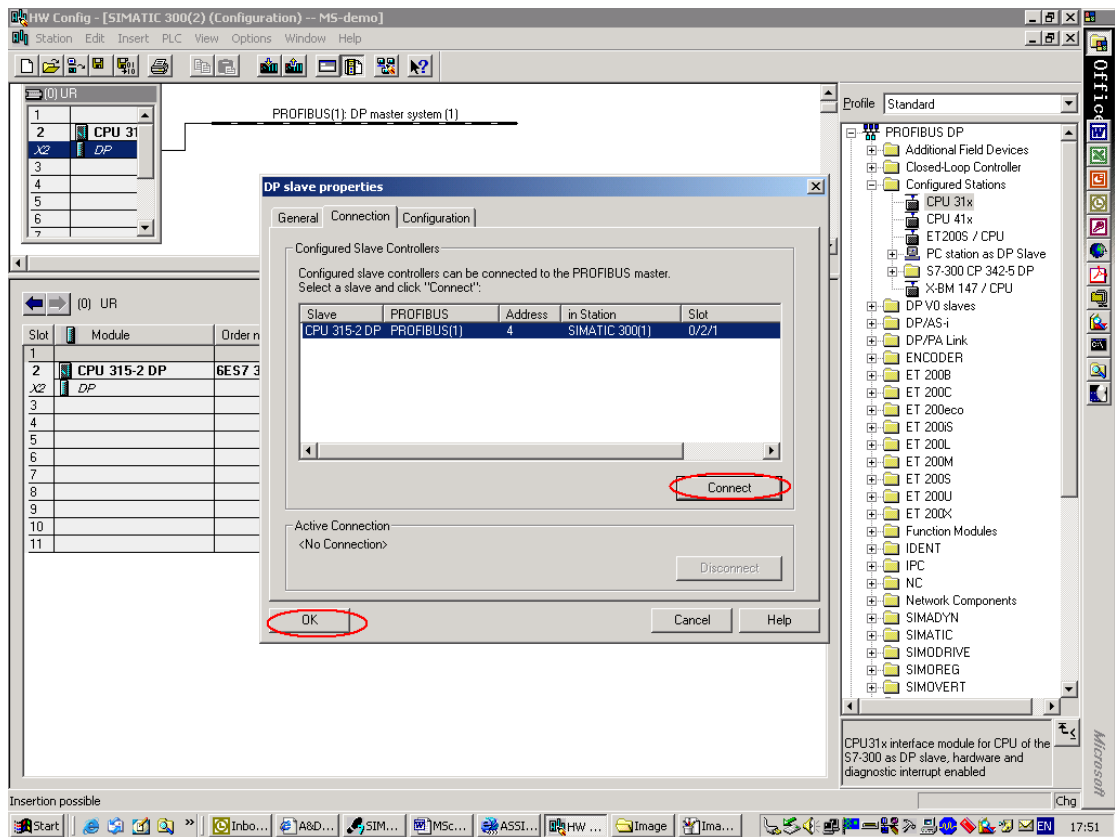
并对其它属性进行配置, 如 站址号, 波特率等.

配置页面如下:



点击 OK 确认后选择右侧 PROFILE 目录, 如图所示:





HW Config - [SIMATIC 300(3) (Configuration) -- Demo]

Station Edit Insert PLC View Options Window Help

1 CPU 315-2 DP
2 DP
3
4 AI8x12Bit
5 AI2x12Bit
6 AI8x13Bit
7
8
9
10

PROFIBUS(1): DP master system (1)

DP slave properties

General Connection Configuration

Row	Mode	Partner DP a...	Partner addr	Local addr	Length	Consiste...
1	MS	9	--	100	1 Byte	Unit
2	MS	9	--	0 0	1 Byte	Unit

New... Edit... Delete

MS Master-slave configuration:
Master: (9) DP
Station: SIMATIC 300(3)
Comment:

OK Cancel Help

Slot Module Order num
1 CPU 315-2 DP 6ES7 315
2 DP
3
4 AI8x12Bit 6ES7 331-7KF02-0AB0 256...271
5 AI2x12Bit 6ES7 331-7KB01-0AB0 288...291
6 AI8x13Bit 6ES7 331-1KF00-0AB0 292...307
7
8
9
10

Profile MY catalog

- PROFIBUS DP
 - Additional Field Devices
 - CR-Objekt
 - Closed-Loop Controller
 - Configured Stations
 - CPU 31x
 - CPU 41x
 - ET 200S / CPU
 - PC station as DP Slave
 - S7-300 CP 342-5 DP
 - X-BM 147 / CPU
 - DP V0 slaves
 - DP/AS-i
 - DP/PA Link
 - ENCODER
 - ET 200B
 - ET 200C
 - ET 200eco
 - ET 200S
 - ET 200L
 - ET 200M
 - ET 200R
 - ET 200S
 - ET 200U
 - ET 200X
- Function Modules
- IDENT
- IPC
- NC
- Network Components
- SIMADYN
- SIMATIC
- SIMODRIVE

CPU31x interface module for CPU of the S7-300 as DP slave, hardware and diagnostic interrupt enabled

Start

HW Config - [SIMATIC 300(3) (Configuration) -- Demo]

Station Edit Insert PLC View Options Window Help

1 CPU 315-2 DP
2 DP
3
4 AI8x12Bit
5 AI2x12Bit
6 AI8x13Bit
7
8
9
10

PROFIBUS(1): DP master system (1)

DP slave properties

General Connection Configuration

Row	Mode	Partner DP a...	Partner addr	Local addr	Length	Consiste...
1	MS	9	--	100	1 Byte	Unit
2	MS	9	--	0 0	1 Byte	Unit

New... Edit... Delete

MS Master-slave configuration:
Master: (9) DP
Station: SIMATIC 300(3)
Comment:

OK Cancel Help

DP slave properties - Configuration - Row 1

Mode: MS (Master-slave configuration)

DP Partner: Master

DP address: 9
Name: DP
Address type: Output
Address: 100
"Slot": 4
Process image: --
Interrupt OB: --

Local: Slave

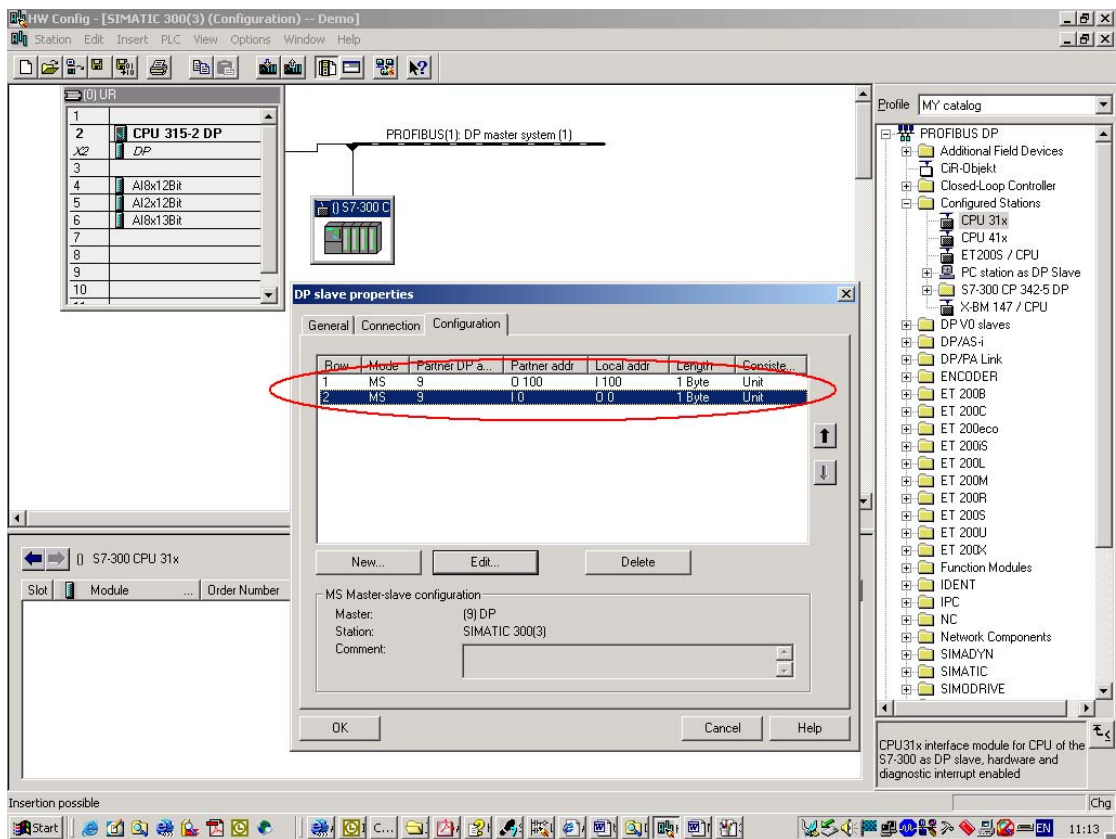
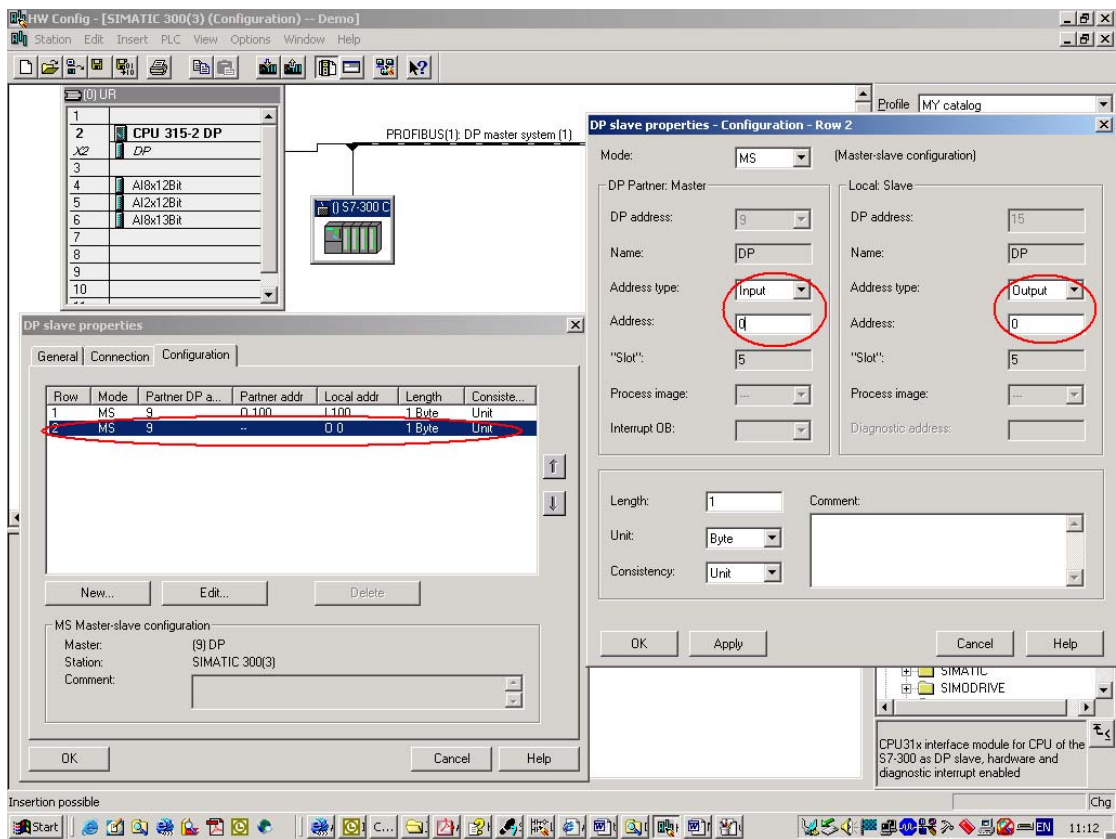
DP address: 15
Name: DP
Address type: Input
Address: 100
"Slot": 4
Process image: --
Diagnostic address: --

Length: 1
Unit: Byte
Consistency: Unit
Comment:

OK Apply Cancel Help

CPU31x interface module for CPU of the S7-300 as DP slave, hardware and diagnostic interrupt enabled

Start



至此，完成了 2 个 S7-315-2DP CPU 的主从配置！