Pertemuan ke-6

# PLC Configuration

# Sasaran

- Peserta mampu untuk mengkonfigurasi modul-modul PLC dengan menggunakan Programming Software

# Ladder Logic Programming

**Step 1** Configuring system communication

**Step 2** Create a new project

**Step 3** Define chassis and I/O module

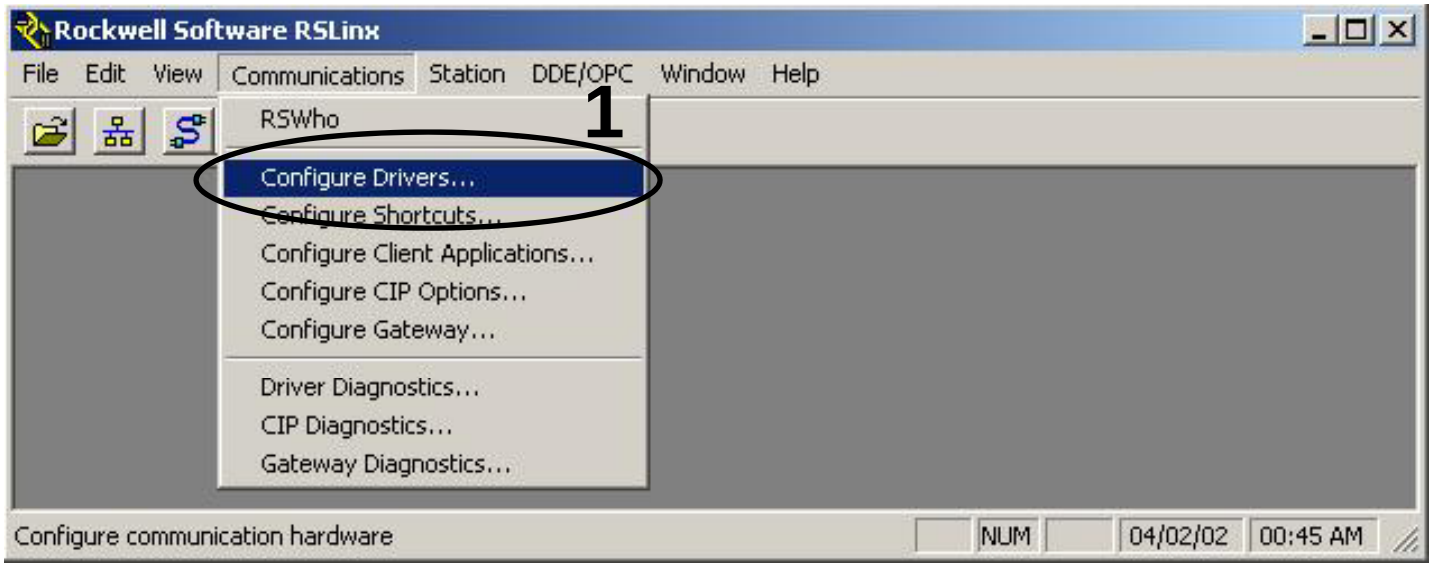
**Step 4** Enter a logic program

**Step 5** Add documentation to the logic instructions

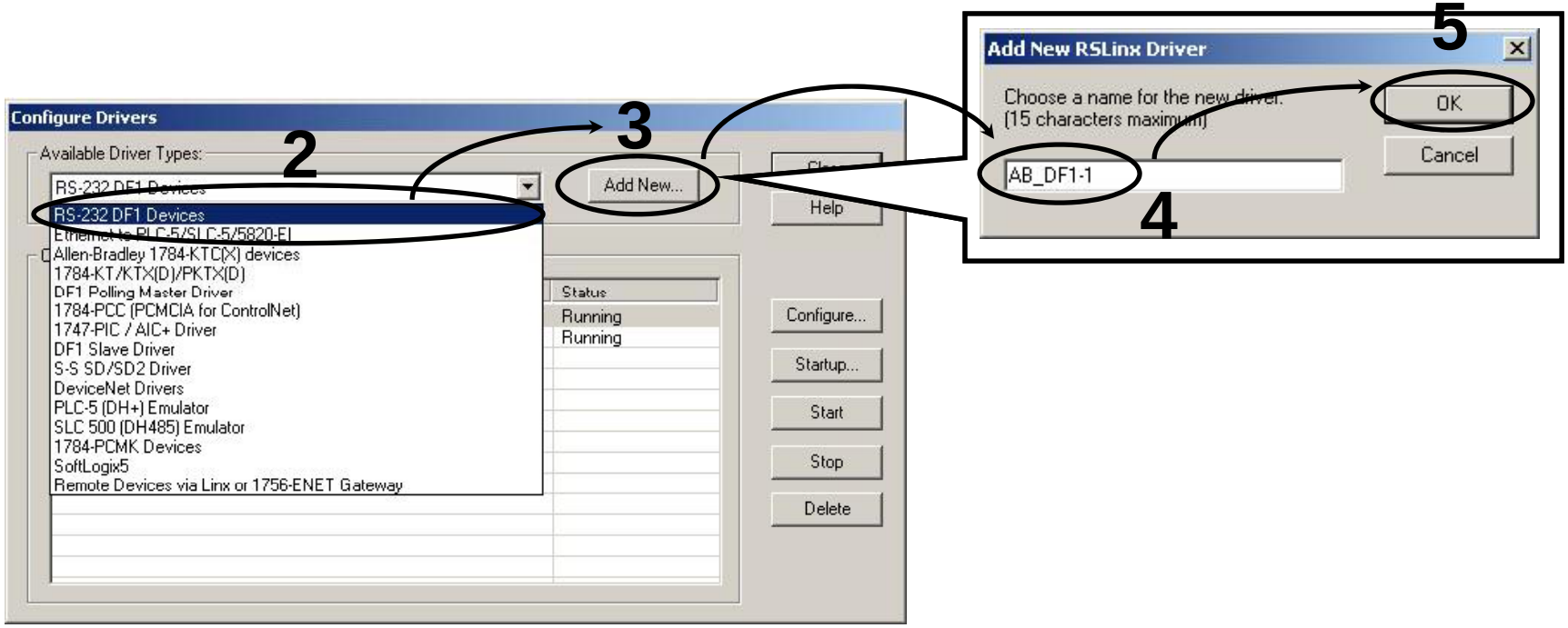
**Step 6** Download, and go online

# Configuring System Communication(1)

- Run RSLinx

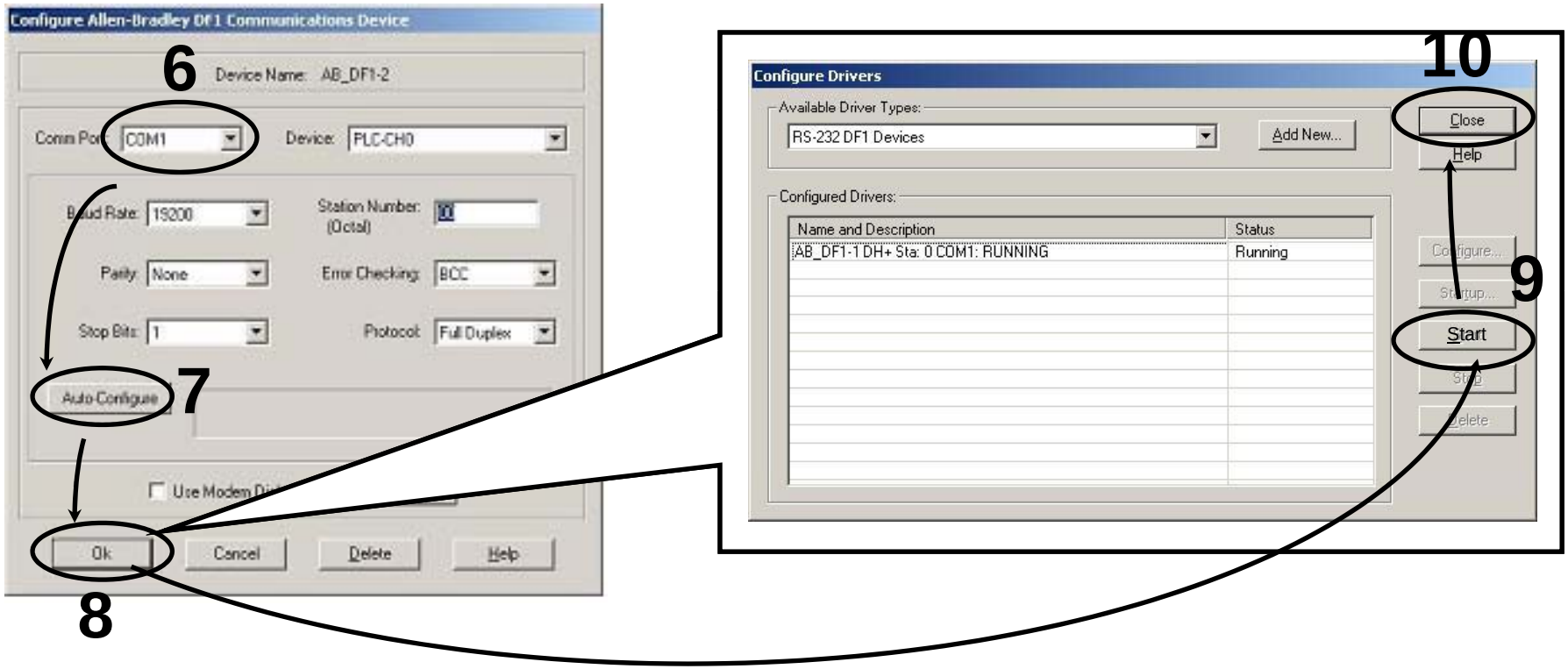


# Configuring System Communication(2)



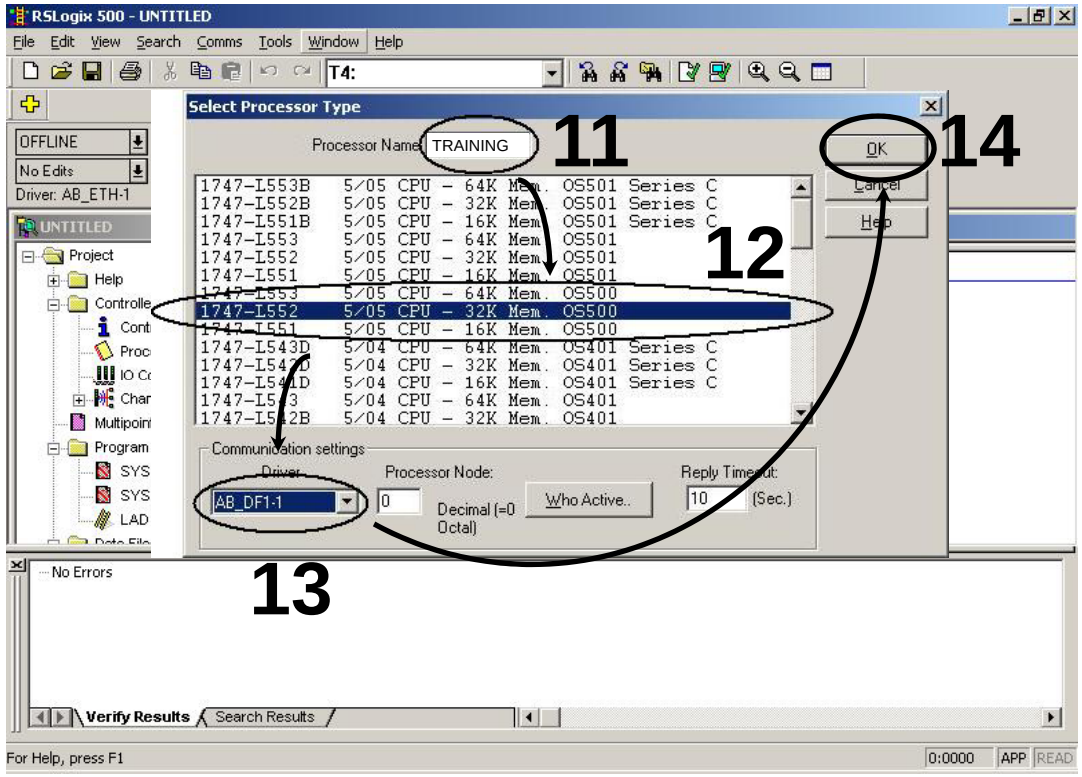
# Configuring System Communication(3)

- Warning: Physical connection (RS232 cable) from PC to PLC must have been connected!!!

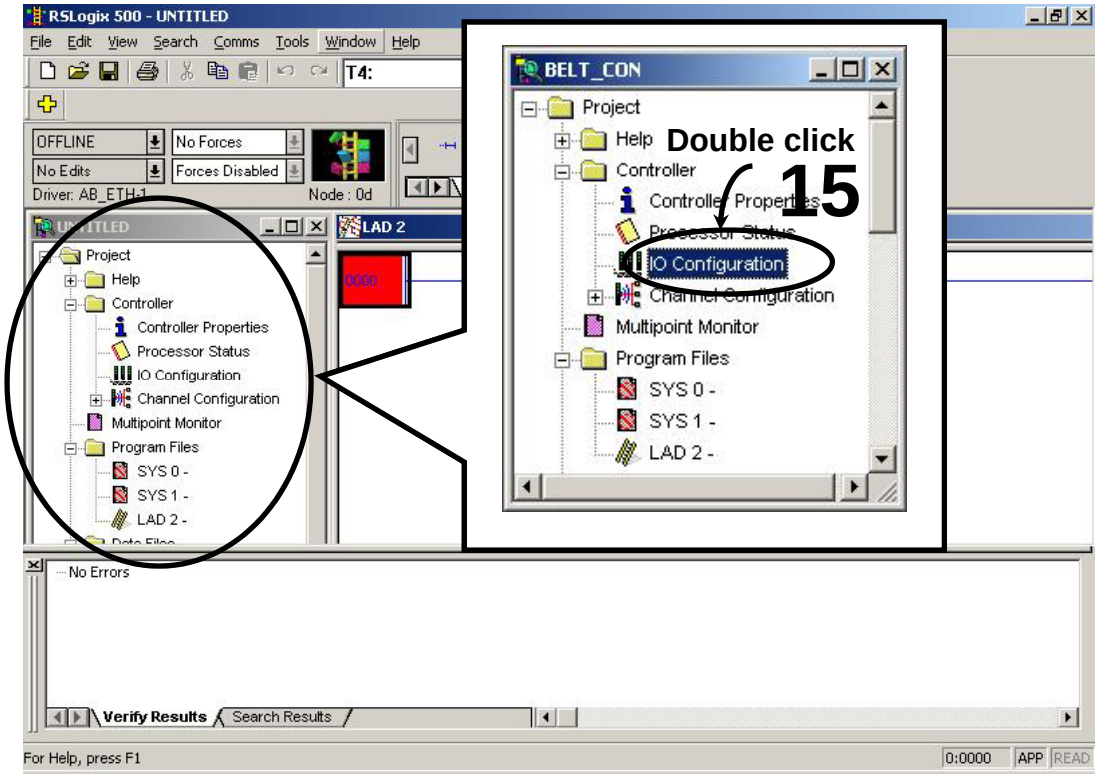


# Create a New Project

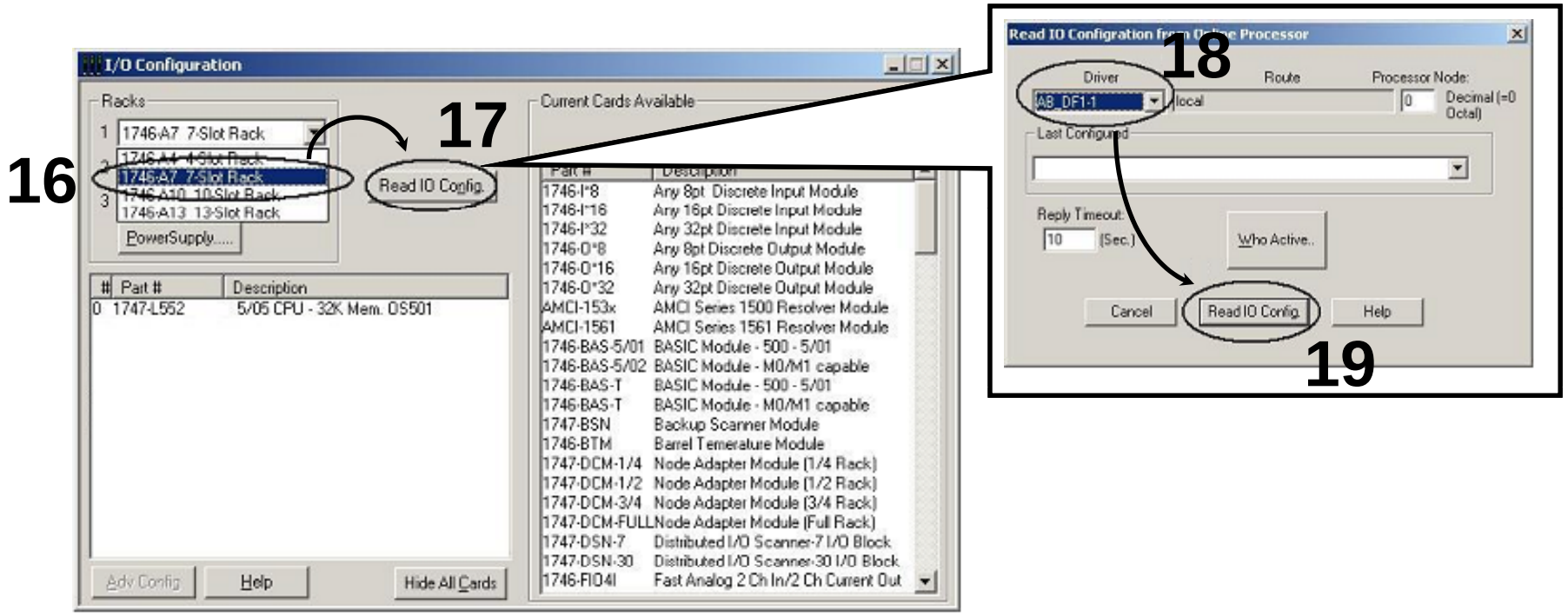
- Run RSLogix500



# Define Chassis and I/O Module(1)

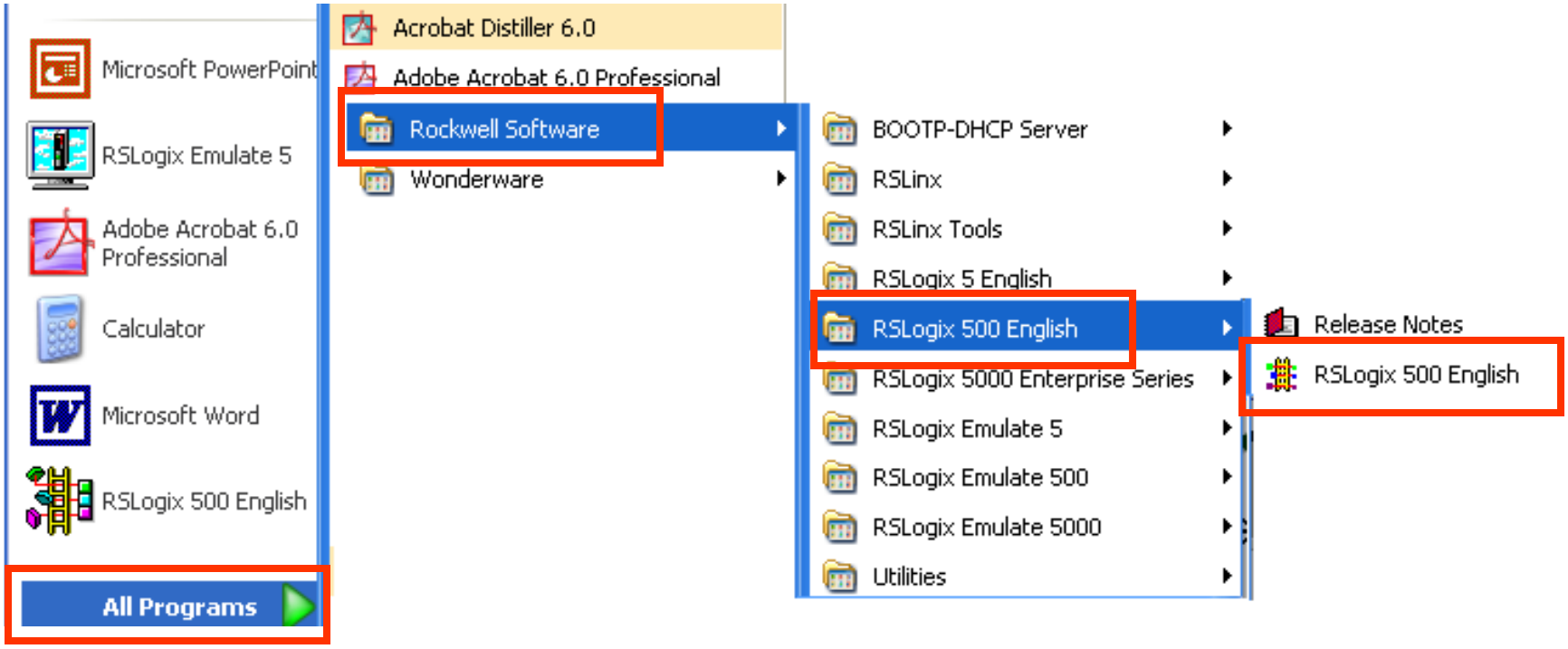


# Define Chassis and I/O Module(2)



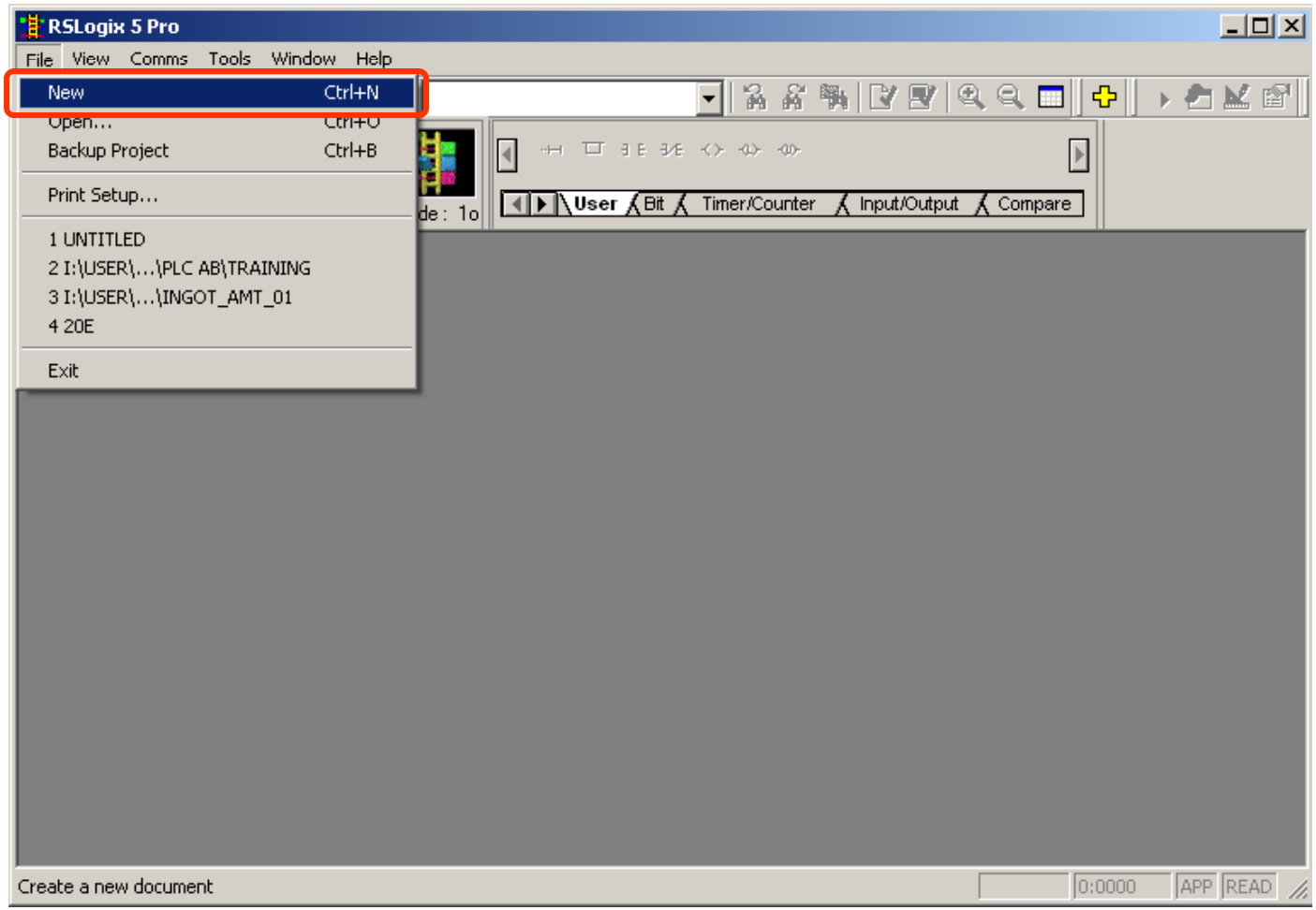
# Memulai Program RSLogix 500

- Tekan tombol [Start] → [Programs] → [Rockwell Software] → [RSLogix 500 English]→ [RSLogix 500 English]



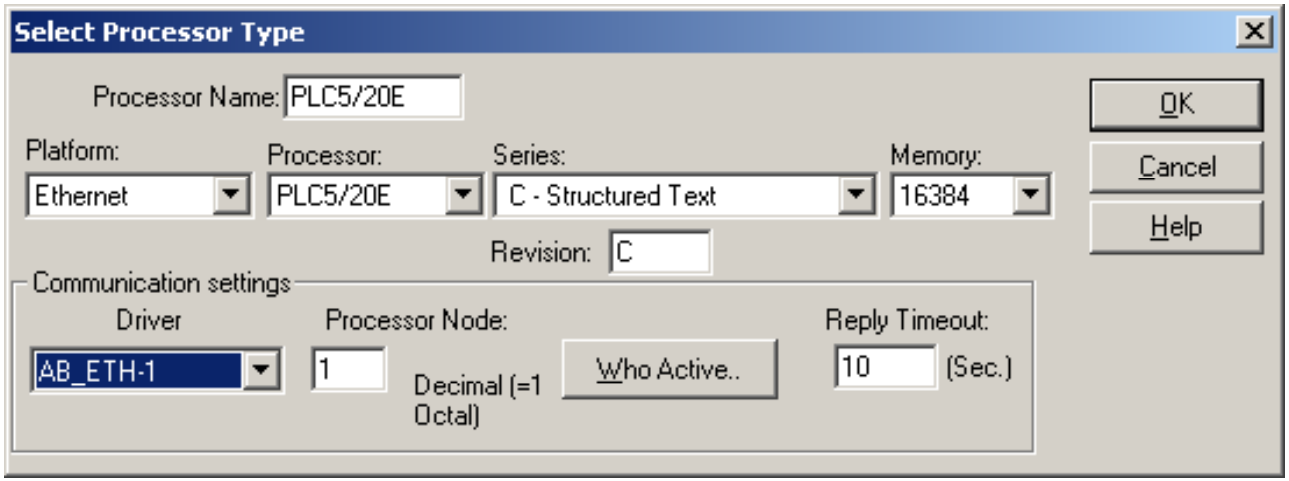
# Membuat File Baru(PLC 5 AB)

- Tekan menu [File] → [New]



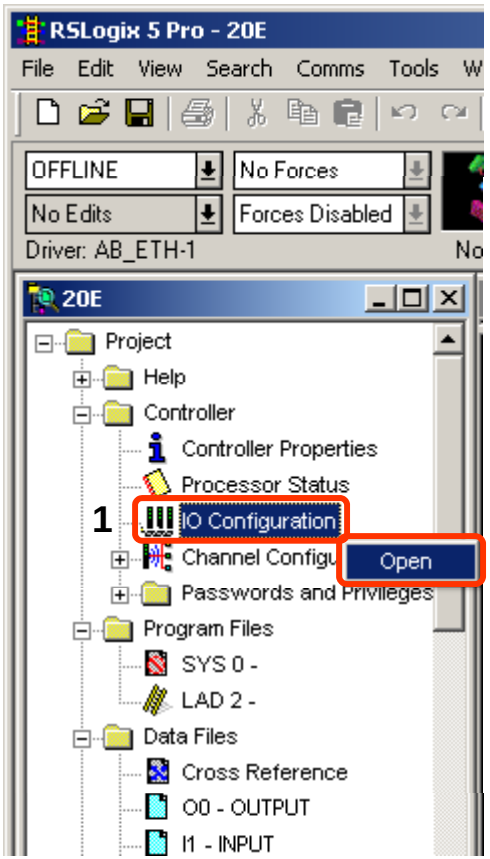
# Konfigurasi Controller (PLC 5 AB)

- Berikan keterangan berikut:
  - Processor Name : PLC5/20E
  - Platform : Ethernet
  - Processor : PLC5/20E
  - Series : C – Structure Text
  - Memory : 16384 (default)
  - Communication driver : AB_ETH-1
  - Processor Node : 1
- Tekan tombol [OK]

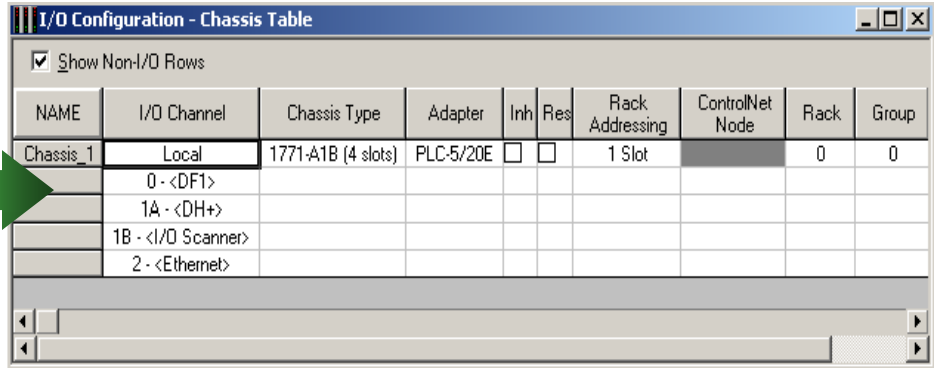


# Mendefinisikan I/O Configuration (PLC 5)

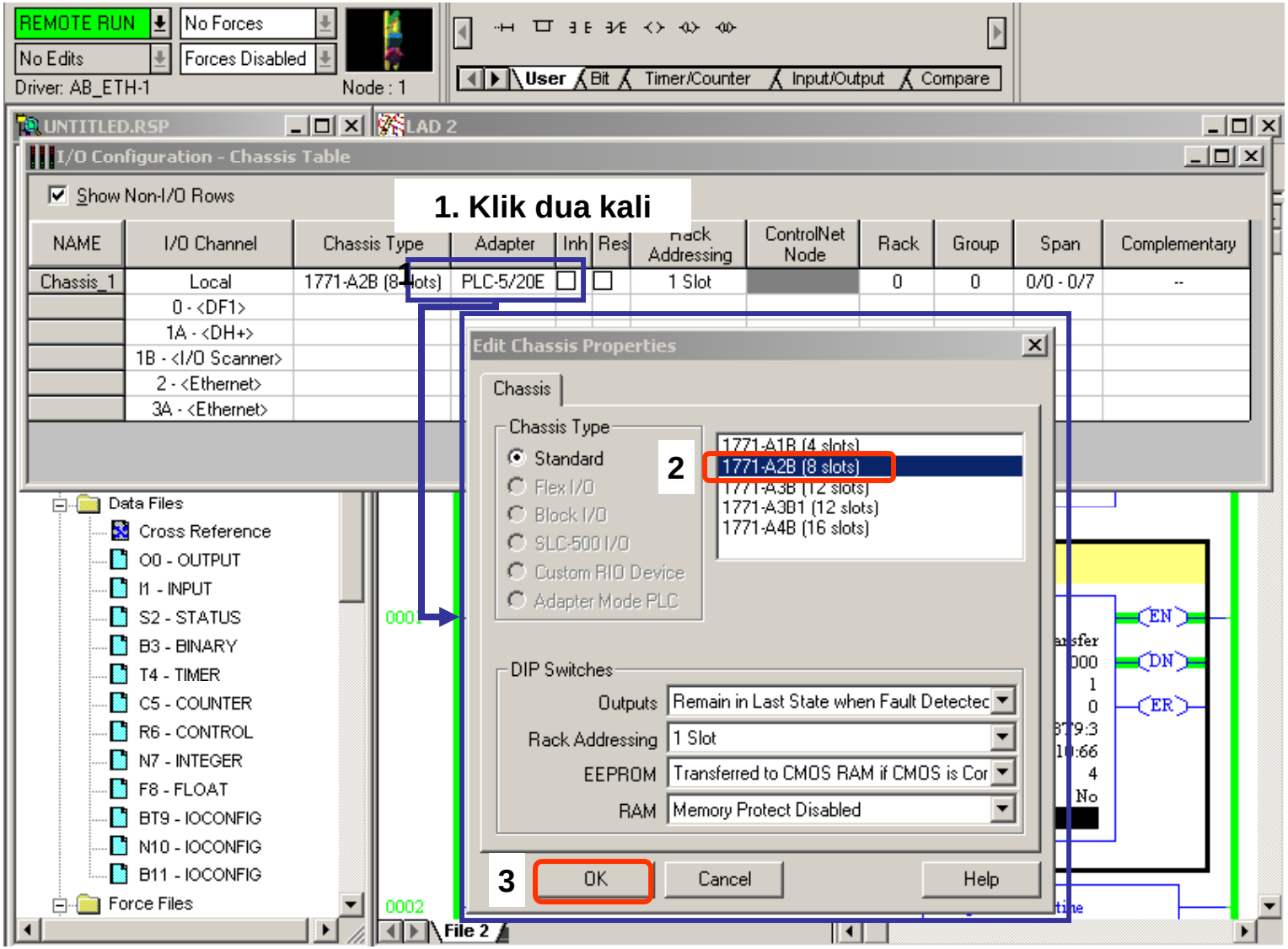
- Klik kanan pada icon [I/O Configuration]
- Tekan tombol [Open]



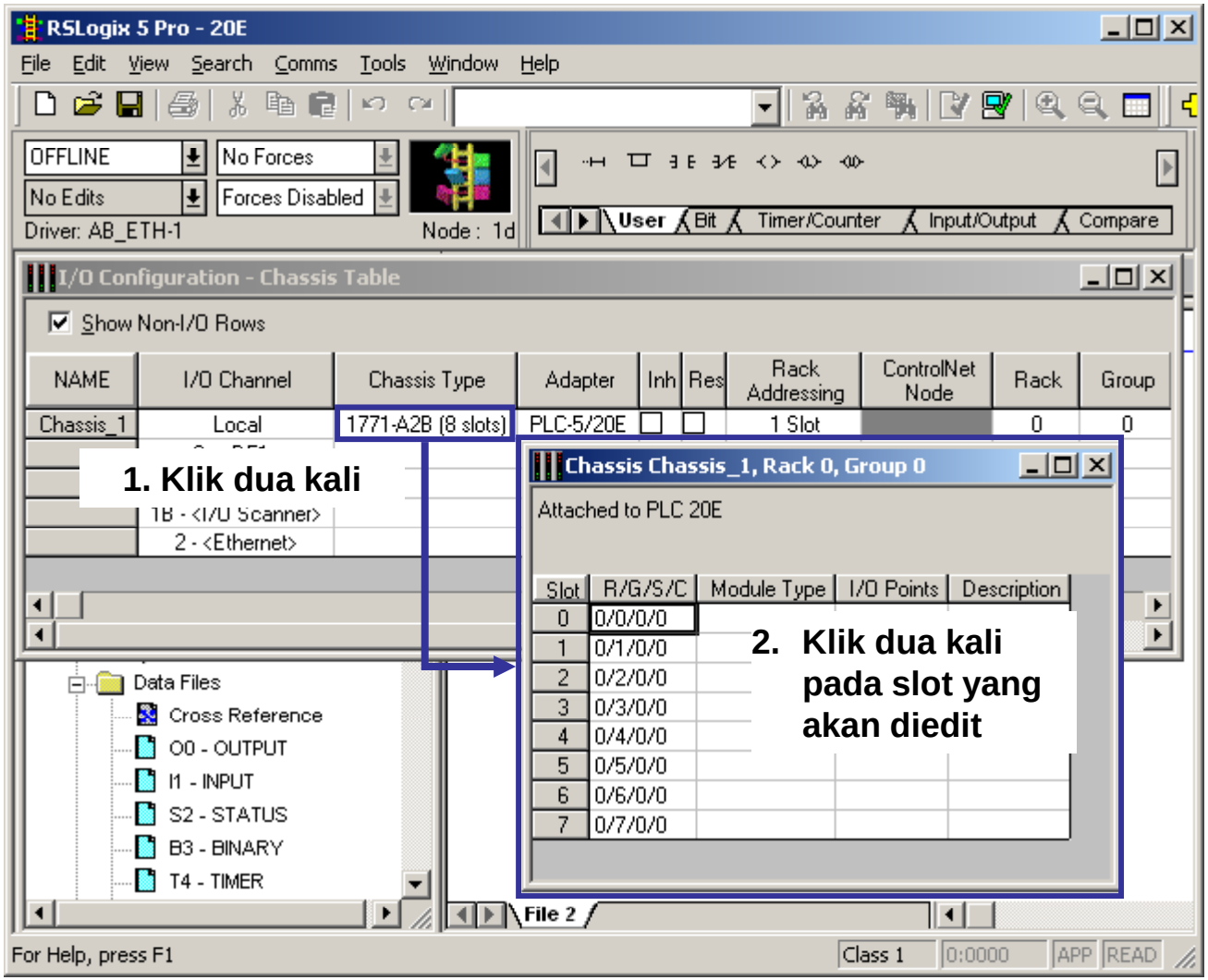

2



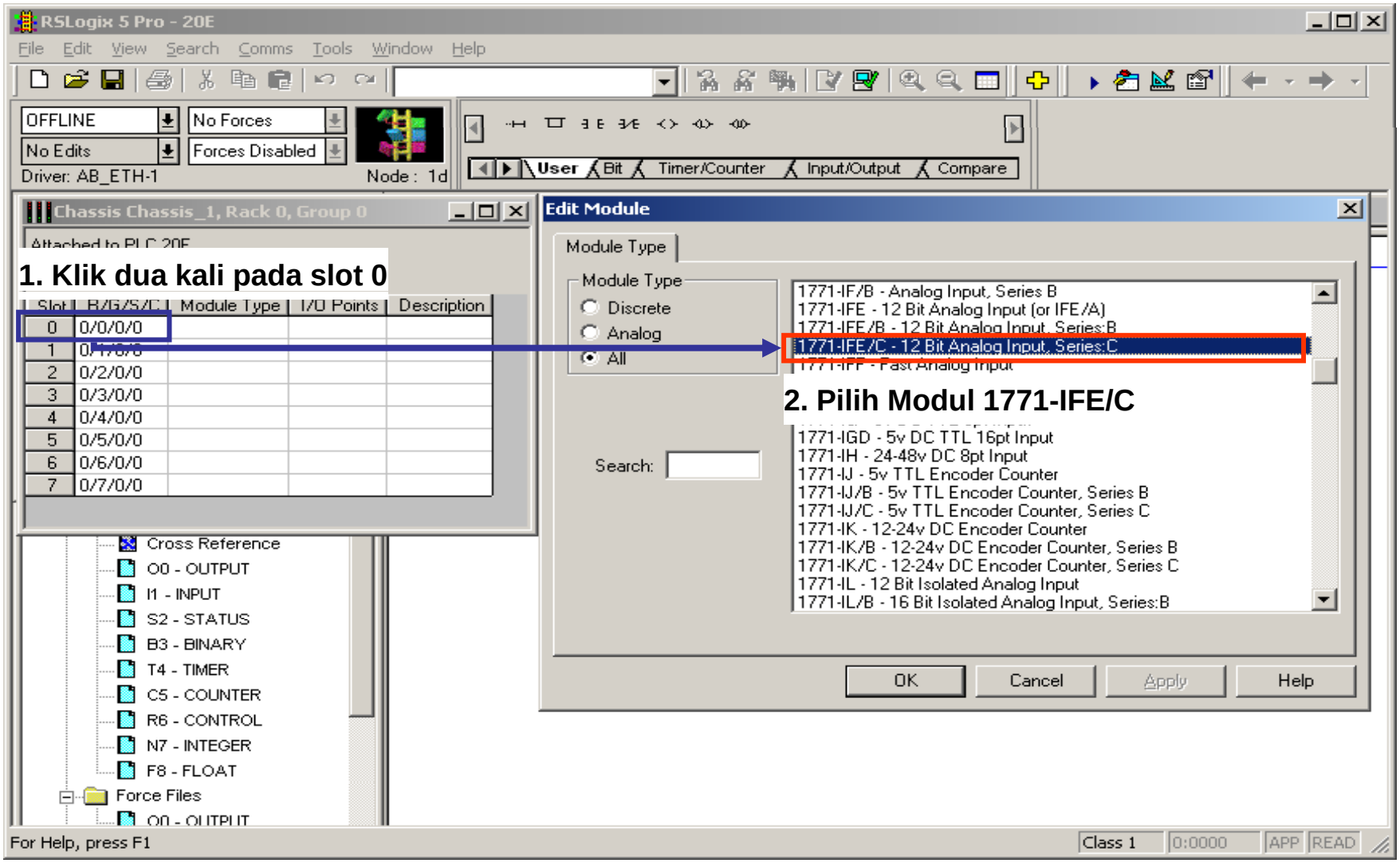
# Mendefinisikan Chassis Properties (PLC 5)



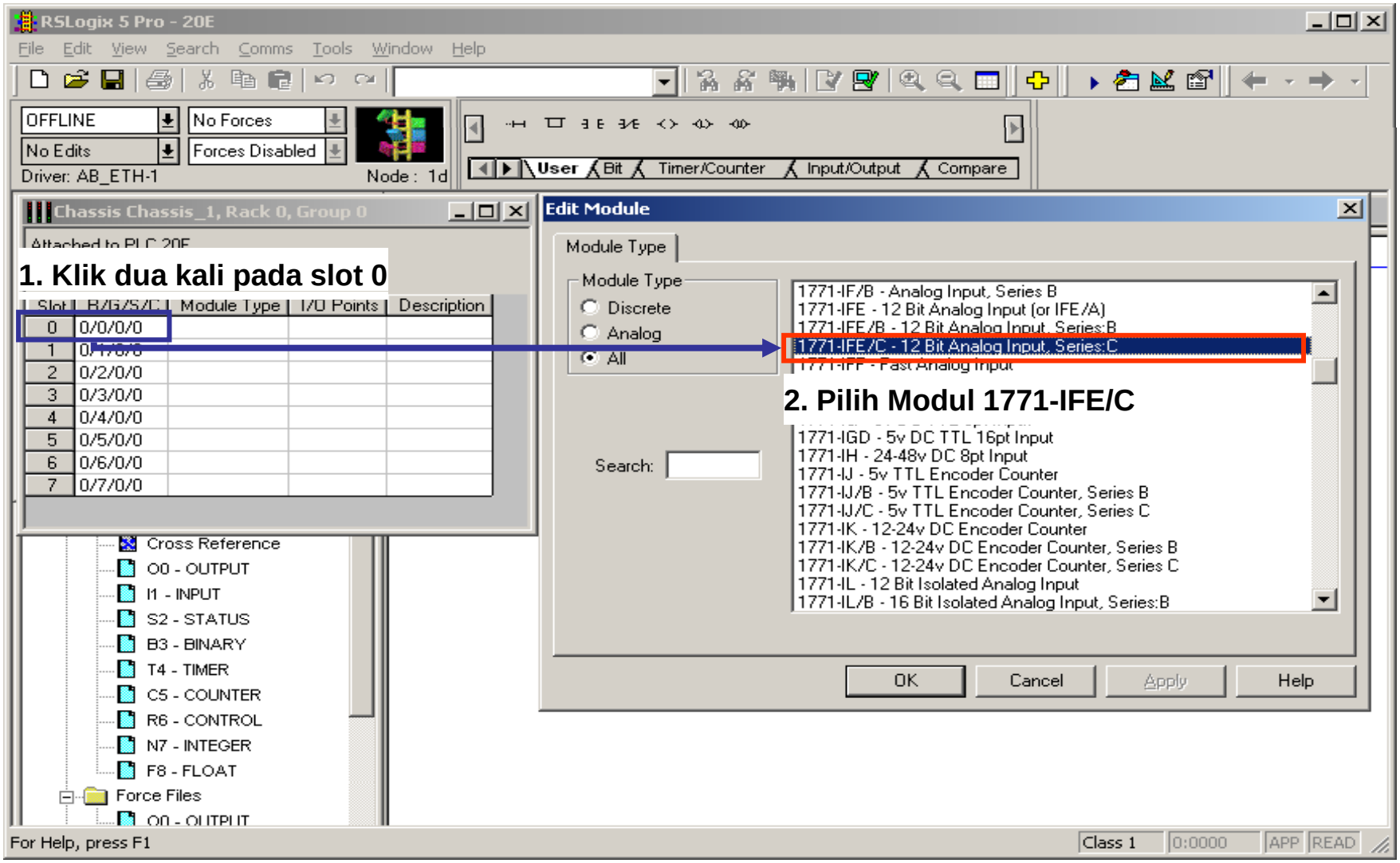
# Mendefinisikan Modul (PLC 5 AB)



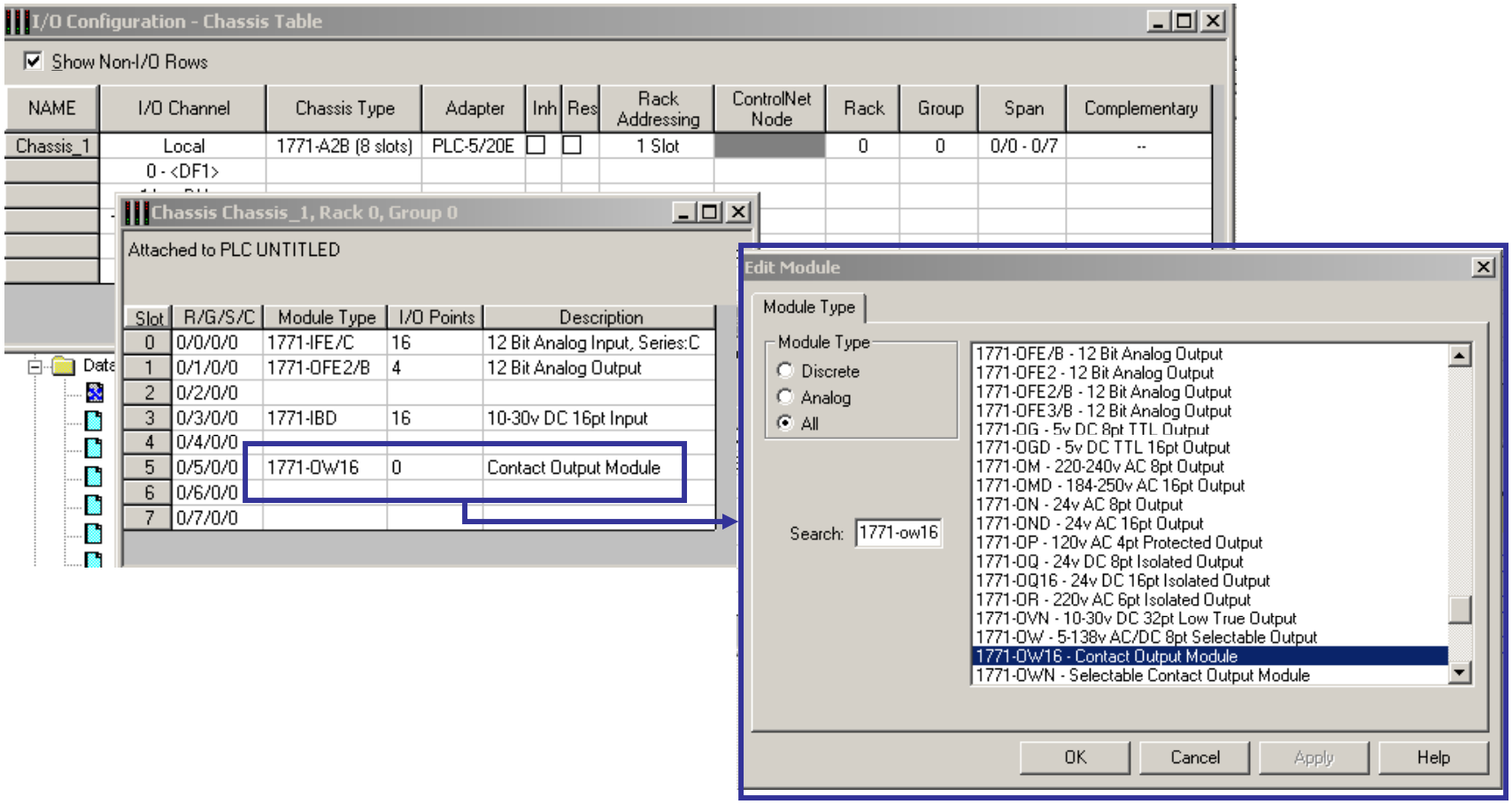
# Mendefinisikan Modul 1771-IFE/C (PLC 5)



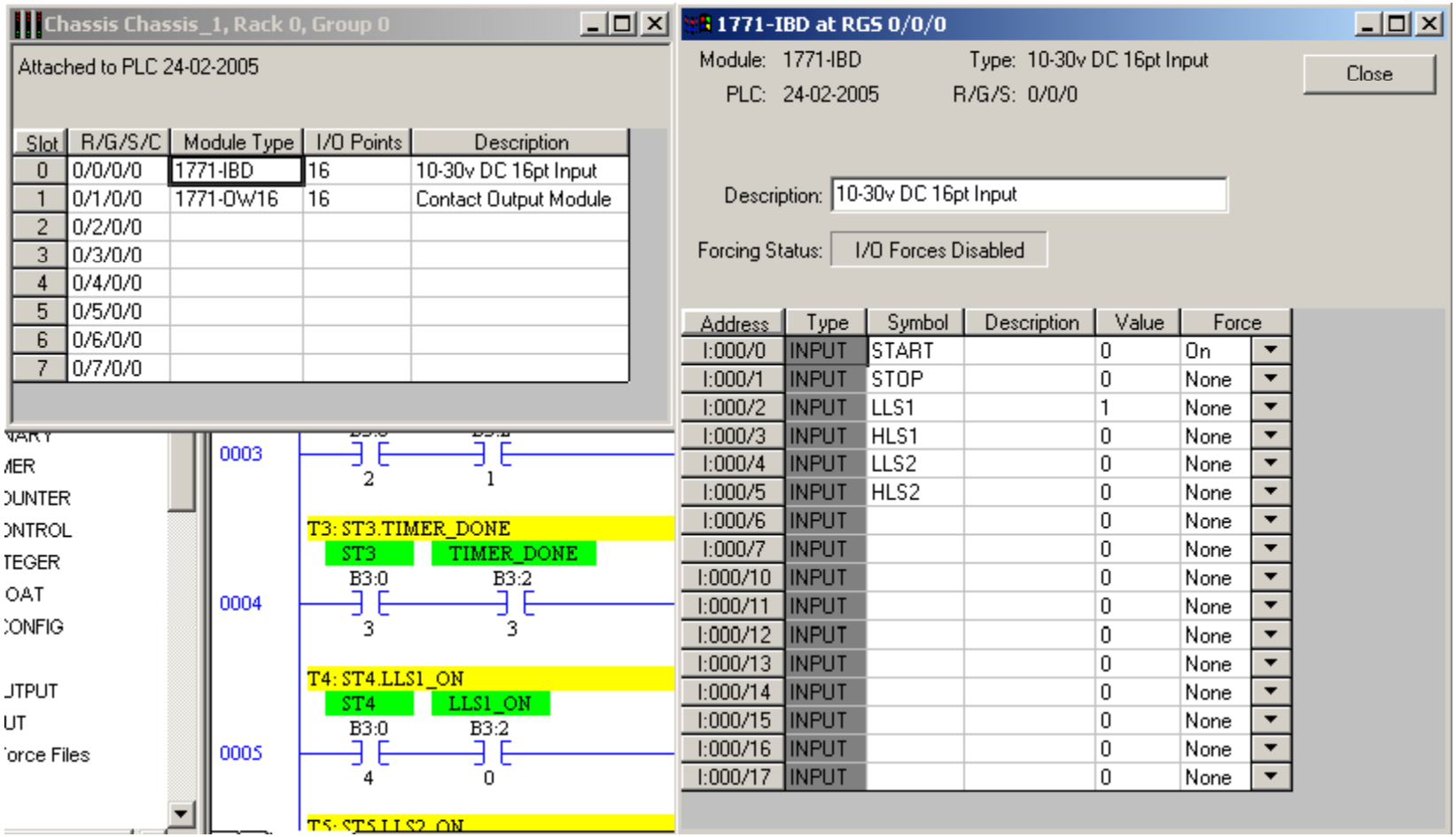
# Mendefinisikan Modul 1771-IFE/C (PLC 5)



# Edit Modul (PLC 5 AB)

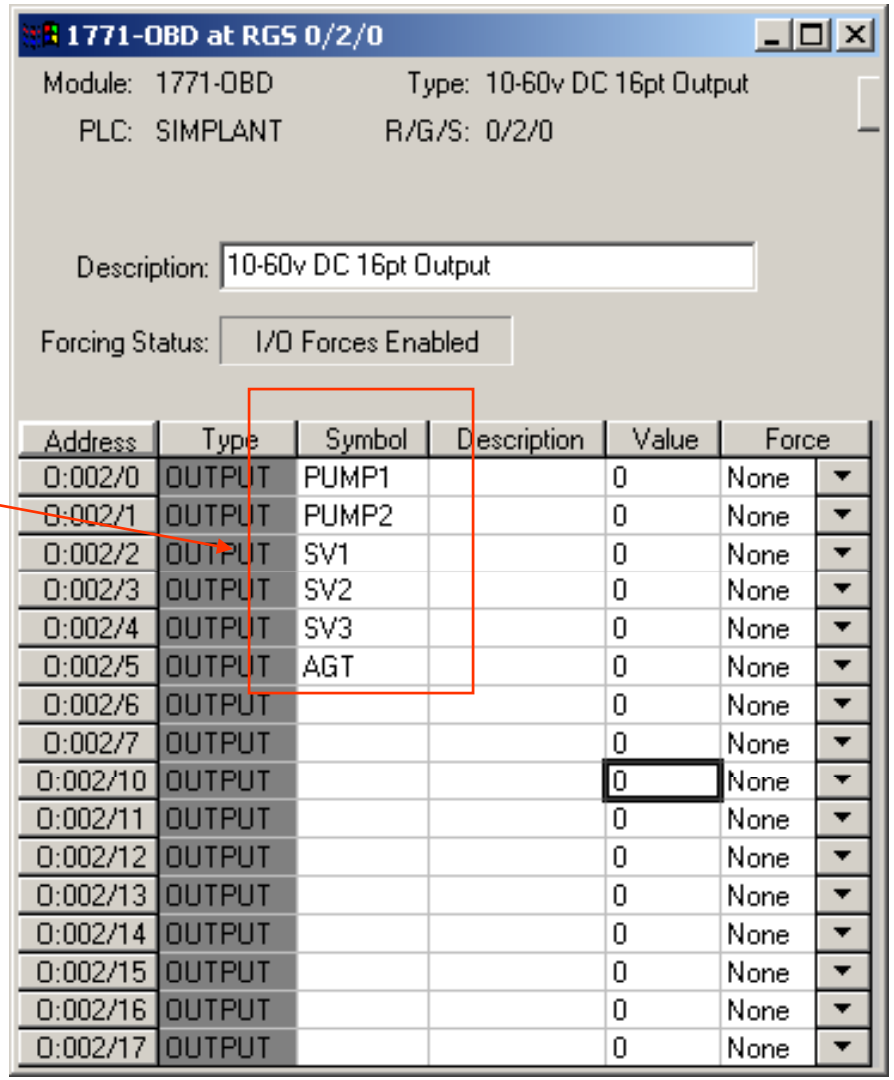


# 1771 - IBD/B Symbol (PLC 5 AB)



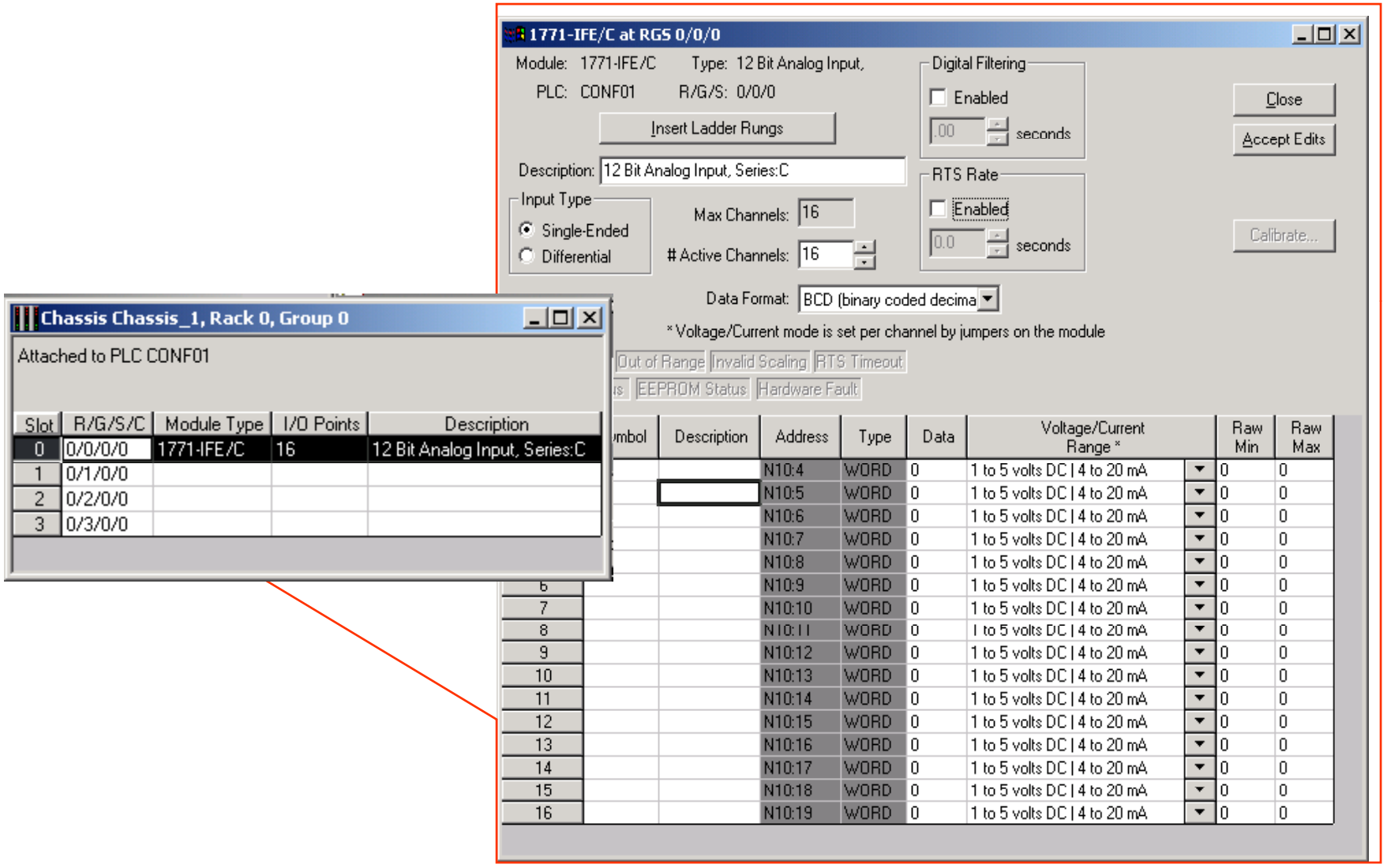
# 1771 - OBD/C Symbol (PLC 5 AB)

- ❑PUMP1 **(O:000/0)**
- ❑PUMP2 **(O:000/1)**
- ❑SV1 **(O:000/2)**
- ❑SV2 **(O:000/3)**
- ❑SV3 **(O:000/4)**
- ❑AGT **(O:000/5)**

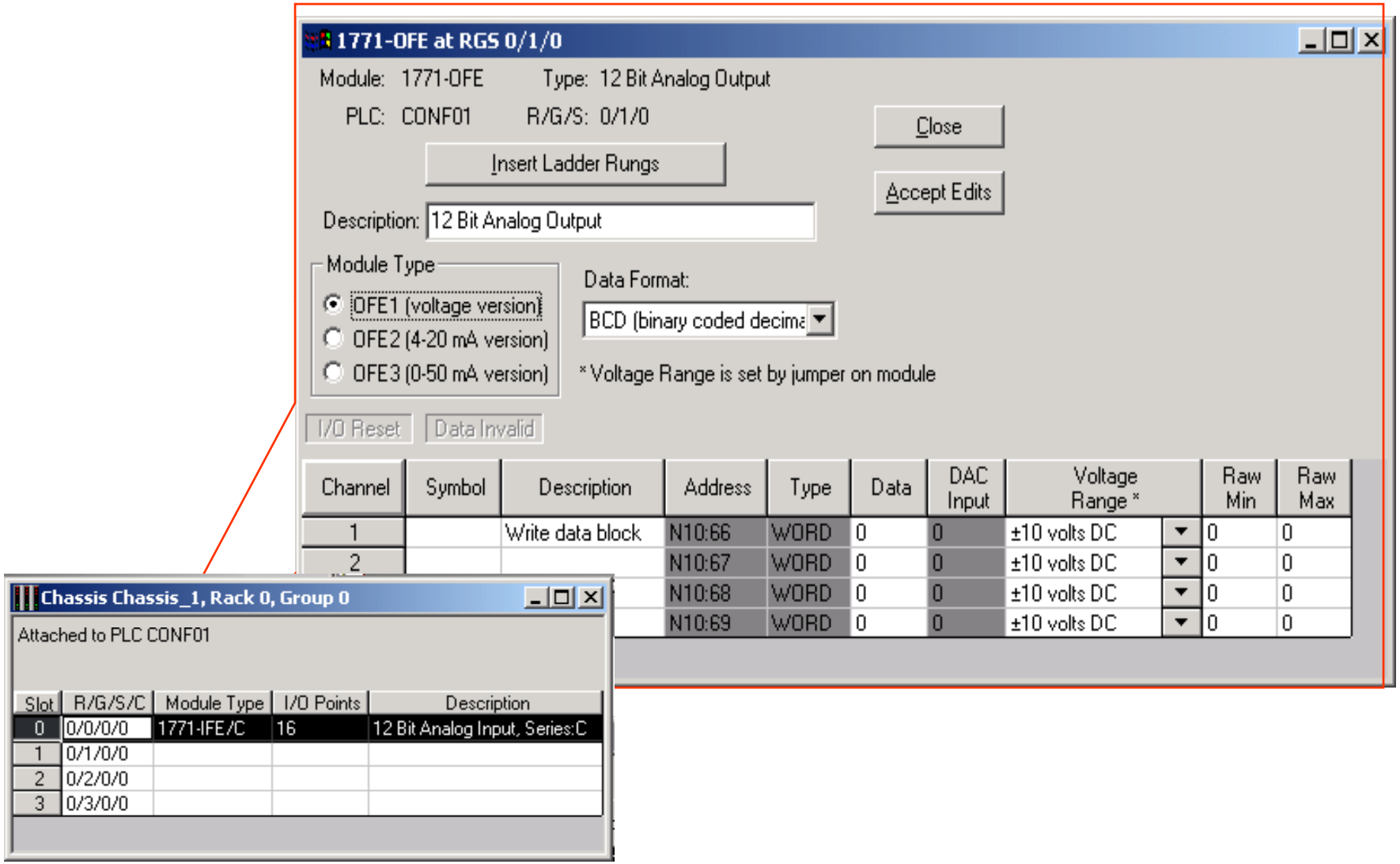



| Address | Type | Symbol | Description | Value | Force |
|---|---|---|---|---|---|
| 0:002/0 | OUTPUT | PUMP1 | | 0 | None |
| 0:002/1 | OUTPUT | PUMP2 | | 0 | None |
| 0:002/2 | OUTPUT | SV1 | | 0 | None |
| 0:002/3 | OUTPUT | SV2 | | 0 | None |
| 0:002/4 | OUTPUT | SV3 | | 0 | None |
| 0:002/5 | OUTPUT | AGT | | 0 | None |
| 0:002/6 | OUTPUT | | | 0 | None |
| 0:002/7 | OUTPUT | | | 0 | None |
| 0:002/10 | OUTPUT | | | 0 | None |
| 0:002/11 | OUTPUT | | | 0 | None |
| 0:002/12 | OUTPUT | | | 0 | None |
| 0:002/13 | OUTPUT | | | 0 | None |
| 0:002/14 | OUTPUT | | | 0 | None |
| 0:002/15 | OUTPUT | | | 0 | None |
| 0:002/16 | OUTPUT | | | 0 | None |
| 0:002/17 | OUTPUT | | | 0 | None |

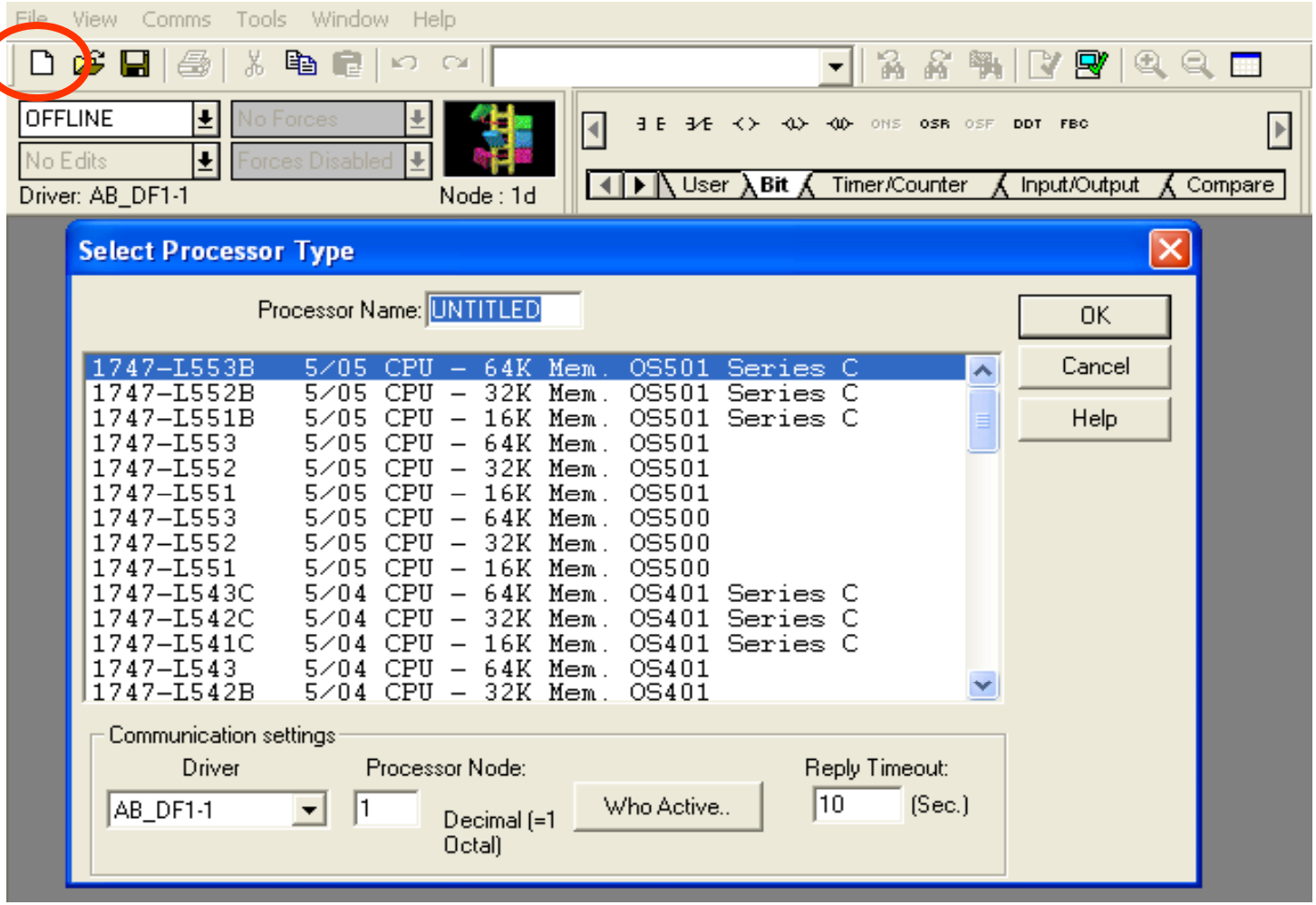
# Konfigurasi 1771-IFE/C (PLC 5 AB)



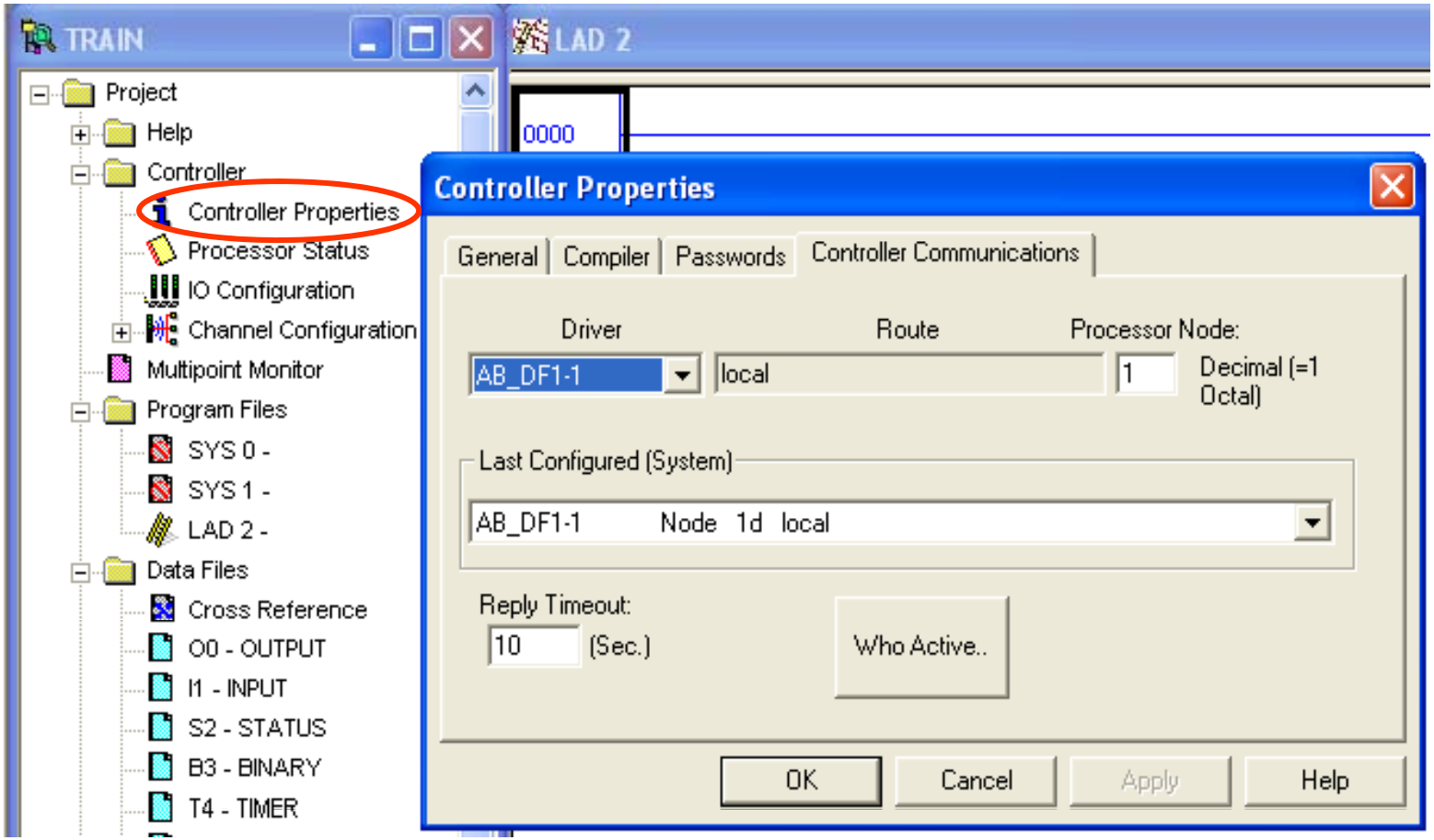
# Konfigurasi 1771-OFE (PLC 5 AB)



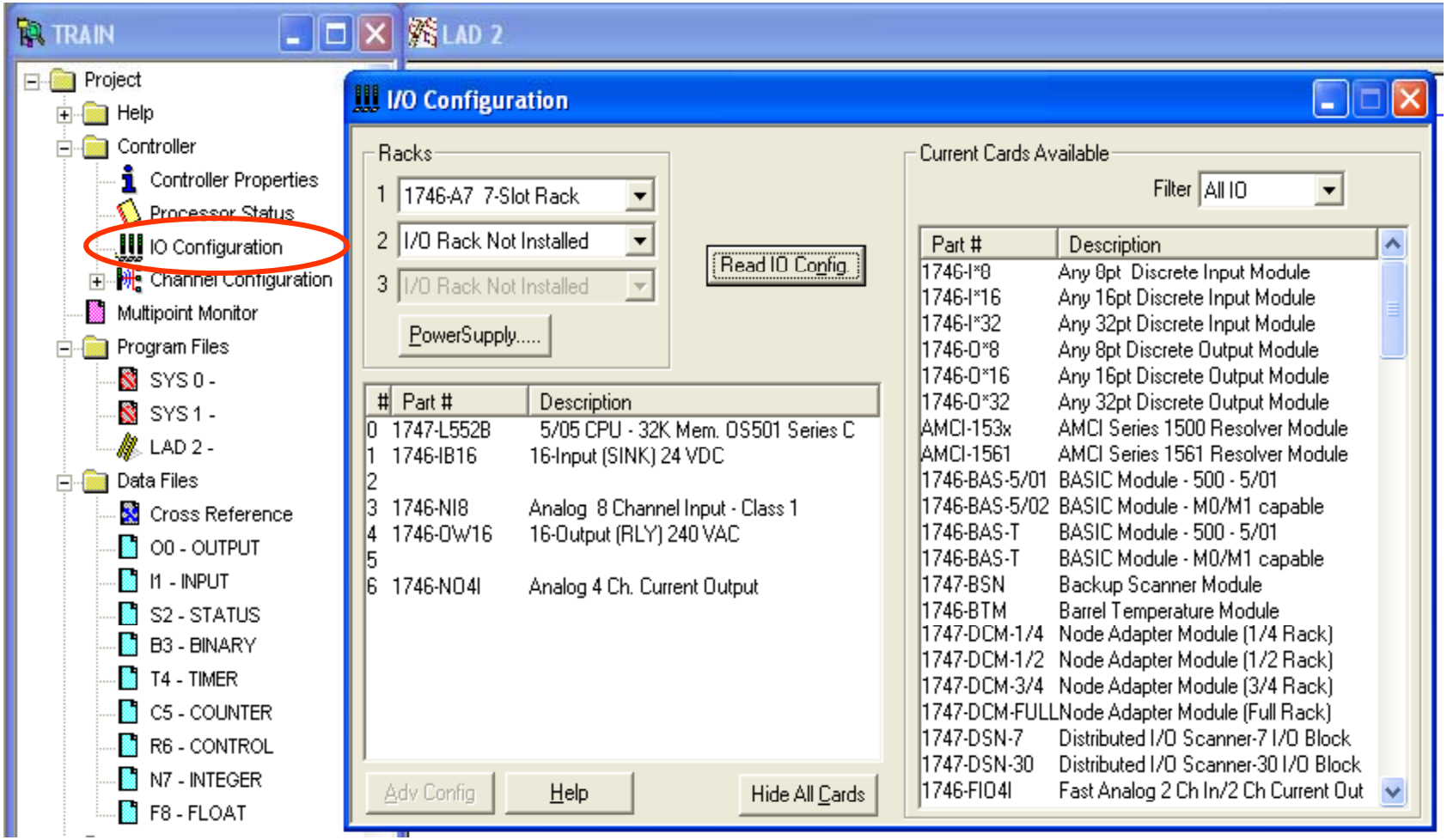
# Membuat File Baru(SLC 500 AB)



# Controller Properties (SLC 500 AB)



# I/O Configuration (SLC 500 AB)



# Channel Configuration (SLC 500 AB)

