



Guideline for configuring the S2E as multiple TCP Clients by MCU

V1.0

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Guideline for configuring the S2E as multiple TCP Clients by MCU

The following is an example where an MCU sends AT-Commands to S2E module through serial port and configures the S2E module as four TCP Clients to connect to 4 TCP Servers. For details, please refer to the WIZnet S2E User Manual.

Note: The black words are the AT command strings sent by the MCU to the S2E through the serial port;

The red words are the strings that S2E returns to the MCU through the serial port after the configuration is successful.

The blue words are the comments of the AT-Commands;

```
AT\r\n //Terminal check
OK\r\n
AT+CI_OP=1\r\n //set the S2E into TCP Client mode
[CI_OP] Value is:1\r\n
AT+CI_LINK_NUM=4\r\n //Set the number of TCP links (available options: 1~4)
[CI_LINK_NUM]Value is 4\r\n
/*****Configure the first Server*****/
AT+DNSEN1=1\r\n //Enable DNS 1
[DNSEN1]Value is 1\r\n
AT+DOMAIN1=www.baidu.com\r\n //Server 1 Domain Name
[DOMAIN1]Value is:www.baidu.com\r\n
AT+CI_CLI_PP1=80\r\n //Server 1 Port
[CI_CLI_PP1]Value is 80\r\n
/***** Configure the second Server*****/
AT+DNSEN2=1\r\n //EnableDNS 2
[DNSEN2]Value is 1\r\n
AT+DOMAIN2=www.sina.com.cn\r\n //Server 2 Domain Name
[DOMAIN2]Value is:www.sina.com.cn\r\n
AT+CI_CLI_PP2=80\r\n //Server 2 Port
[CI_CLI_PP2]Value is 80\r\n
/***** Configure the third Server*****/
AT+DNSEN3=0\r\n //Close DNS 3
[DNSEN3]Value is 0\r\n
AT+CI_CLI_IP3=192.168.1.100\r\n //Server 3 IP Address
[CI_CLI_IP3]Value is 192.168.1.100\r\n
AT+CI_CLI_PP3=5000\r\n //Server 3 Port
[CI_CLI_PP3]Value is 5000\r\n
/***** Configure the fourth Server*****/
AT+DNSEN4=0\r\n //Close DNS 4
[DNSEN4]Value is 0\r\n
AT+CI_CLI_IP4=192.168.1.101\r\n //Server 4 IP Address
[CI_CLI_IP4]Value is 192.168.1.101\r\n
AT+CI_CLI_PP4=6000\r\n //Server 4 Port
[CI_CLI_PP4]Value is 6000\r\n
AT+EXIT\r\n //Save setting and enter data mode
```