

# Network Diagnostic Tool

## Network Diagnostic Tool

**Network Diagnostic Tool** is an automated CMD script designed to quickly and efficiently perform common network diagnostics across multiple company campaigns. Its goal is to reduce response times during critical events and standardize the collection of technical network data.

## Objective

- Develop and implement an automated diagnostic tool to reduce response times during critical events across multiple campaigns, facilitating the generation of standardized network logs.

## Repository Contents

- `Network_Diagnostic_Tool.cmd` : main script ready to execute.
- `README.md` : this documentation file.
- `/docs/guia_de_uso.pdf` (*optional*): PDF user guide.
- `/logs/ejemplos/` : sample log outputs generated by the tool.

## System Requirements

- Windows 10 or later
- Access to Command Prompt (CMD)
- Internet connectivity
- Does not require administrator privileges

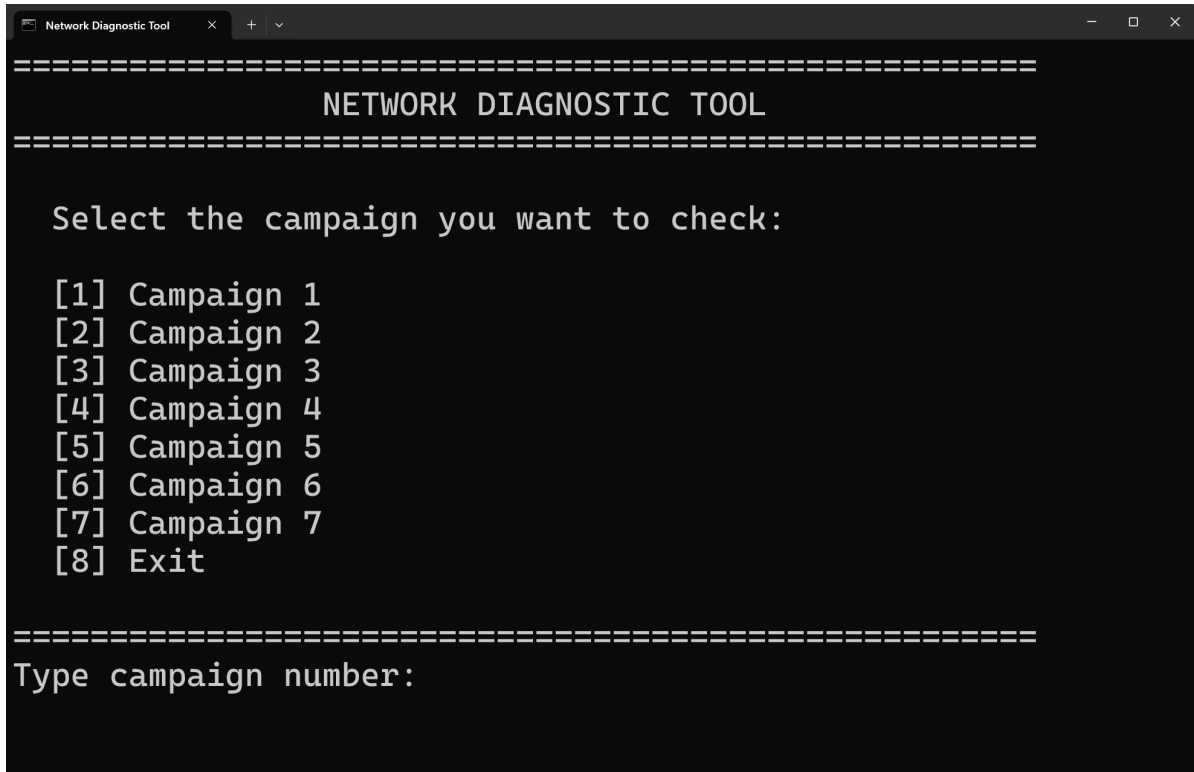
## How to Use the Tool

### 1. Run the Script

- Double-click `Network_Diagnostic_Tool.cmd` .

## 2. Select a Campaign

- Choose a campaign from the menu by typing the corresponding number.



```
Network Diagnostic Tool x + v
=====
                        NETWORK DIAGNOSTIC TOOL
=====

Select the campaign you want to check:

[1] Campaign 1
[2] Campaign 2
[3] Campaign 3
[4] Campaign 4
[5] Campaign 5
[6] Campaign 6
[7] Campaign 7
[8] Exit

=====
Type campaign number:
```

## 3. Select a Target

- Choose the destination (URL or service) you wish to diagnose.

```
Network Diagnostic Tool x + v
=====
                        SELECT DESTINATION TOOL
=====
[1] app1
[2] app2
[3] app3
[4] app4
[0] Back to Main Menu

=====
Type tool number: |
```

## 4. Run Diagnostics

- The script will automatically execute the following commands:

- `ipconfig /all`
- `ping [url]`
- `tracert -h 15 [url]`
- `nslookup [url]`

## 5. Results

- The results will be automatically saved in a `.txt` file on your desktop.
- The file path will be displayed, and the log will open in Notepad.

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## Example of Log File Location

- `C:\Users\tecon\Desktop\logs_app1_2025-05-09.txt`

```
Network Diagnostic Tool x + v

Collecting IP configuration...
Done
Pinging google.com...
Done
Tracing route to google.com...
Done
Performing NSLookup for google.com...
*** Se agotó el tiempo de espera de la solicitud a UnKnown
greenDone

=====
Logs saved successfully
Logs stored at:

C:\Users\tecon\Desktop\logs_app1_2025-05-09.txt

Press any key to open log file...
```