1. Interface Inicial:

```
NTA

[NTA] - NetworkAnalyzer
@Author: Mauros Milach
v1.0

Core Commands:
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  Command                Description
  -------                -----------

  'help' or 'hp'         Display information about modules and retrieve the value of context-specific variables.
  'load'                 Load a context-specific framework module.
  'exit' or 'x'          Move back from the current context.
  'exit-now' or 'xn'     Exit the console.

  Tip: To initiate a module, use the 'load' command, for example: 'load socket', or the equivalent shortcut '3'.
  Tip: For comprehensive documentation, please refer to our Technology Team (Support) Sharepoint at SupportTechnology (https://bit.ly/3HFvAym).

Core Framework\Modules:
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  Shortcut   Module                                                            Description
  --------   ------                                                            -----------

       |     \Jvm_info\java.lang.management\CompilationMXBean                  Displays information about the compilation process in a Java Virtual Machine (JVM).
       |     \Jvm_info\java.lang.management\GarbageCollectorMXBean             Displays information about insights and control over the garbage collection process in a Java Virtual Machine (JVM).
       |     \Jvm_info\java.lang.management\ManagementFactory                  Displays information about convenient methods for accessing various management beans in the Java Virtual Machine (JVM).
       |     \Jvm_info\java.lang.management\MemoryMXBean                       Displays information about insights into the memory usage, memory pools, and garbage collection statistics.
       |     \Jvm_info\java.lang.management\OperatingSystemMXBean              Displays information about the underlying operating system's monitoring and management information.
       |     \Jvm_info\java.lang.management\ThreadMXBean                       Displays information about thread activity, including monitoring and managing threads.
       |     \Jvm_info\java.time.LocalDateTime\time                            Displays information about the local machine's time and the time obtained from the JVM for comparison purposes.
       |     \Jvm_info\java.lang.management\runtimeMXBean\opts                 Displays information about all JVM parameters/arguments defined globally in the operating system.
       |     \Jvm_info\System\java_home                                        Displays information about Java installation path.
       1     \Jvm_info\System\*                                               Displays all available information related to the JVM.
       2     \httpPost_Request\java.net\post                                  Performs an HTTP POST request between a client and a web server via JVM.
       3     \socket_Connection\java.net\socket                               Establishes a bidirectional TCP communication channel between a client and a server via JVM.
       4     \smb_connection\jcifs\smb                                        Establishes an SMB (Server Message Block) connection with a file server (Storage NAS) and lists all files in the primary directory via JVM.
       5     \smb_connection\jcifs\smbRW                                      Establishes an SMB (Server Message Block) connection, sends a text file to a directory, for validation of write and read permissions in the directory.
       6     \smtp_protocol_connection\javax.mail\mail                        Establishes a connection with an SMTP (Simple Mail Transfer Protocol) server and sends an email using the provided context-specific variables via JVM.
       7     \database\microsoft.sqlserver.jdbc.SQLServerDriver\mserver       Establishes a connection with a MICROSOFT SQL SERVER database using the proprietary driver.
       8     \database\mysql.cj.jdbc.Driver\mysql                            Establishes a connection with a MYSQL database using the proprietary driver.
       9     \database\jdbc.driver.OracleDriver\oracle                       Establishes a connection with an ORACLE database using the proprietary driver.
      10     \xml\xml                                                         Find the first .XML file in the directory "\NTA\class\xml", all variables will be loaded with user-configured parameters.

[320167484@YY254996~windows 10]>
```

2. Informações da JVM:

```
[320167484@YY254996~windows 10]> load *
JVM Information:
Class Loading:
   Total loaded classes: 707
   Total unloaded classes: 0
Garbage Collection:
   Collector name: PS Scavenge
   Number of collections: 0
   Collection time (ms): 0
Compilation:
   Compiler name: HotSpot 64-Bit Tiered Compilers
Threads:
   Number of active threads: 5
   Peak threads: 5
Runtime:
   Available processors: 8
Operating System:
   OS name: Windows 10
   OS version: 10.0
JVM Memory:
   Heap Memory Usage: init = 264241152(258048K) used = 5285504(5161K) committed = 253231104(247296K) max = 3752853504(3664896K)
Local date and time (JVM): 30/01/2024 15:36:11
Local date and time (Windows): 30/01/2024  15:36
Java Home Directory: C:\Program Files\Java\jre-1.8
JVM Options: []
>Press [Enter] to continue:
[320167484@YY254996~windows 10]> [Enter] >
```

3. SMB:

```
[320167484@YY254996~windows 10]> 4

SMB

--------------------
Server Message Block
Module Author: @MaurosMJ


Extended Commands:
==================

  Command                Description
  -------                -----------

  'help' or 'hp'         Display information about modules and retrieve the value of context-specific variables.
  'set'                  Set a context-specific variable to a value.
  'run'                  Run a framework module.
  'unset'                Unset one context-specific variable.
  'exit' or 'x'          Move back from the current context.
  'exit-now' or 'xn'     Exit the console.

  Tip: When assigning a value to a variable, use the 'set' command, such as 'set host', and then enter the corresponding value.
  Tip: To run the module, use the 'run' command, for example, 'run'. The module will be loaded with all the configurations set in the parameters.
  Tip: For comprehensive documentation, please refer to our Technology Team (Support) Sharepoint at SupportTechnology (https://bit.ly/3HFvAym).

Module Parameters:
==================

  Parameter                  Value
  ---------                  -----

  *Server\Machine (host):    Not specified.
  *User (usr):               Not specified.
  *Password (pwd):           Not specified.

[320167484@YY254996~windows 10]> [SMB Protocol] >
```

```
320167484@YY254996~windows 10]> [SMB Protocol] > run

Starting module..
..
,                jcifs.smb              #
##############################################
'  Module has been loaded successfully  #
##############################################

Initiating authentication with the target host.
INITIATING SEARCH:
Folders and files in the directory:
File Found: 1.txt
File Found: 12.txt
File Found: 123.txt
File Found: 12332435.txt
File Found: 1234.txt
File Found: 12345.txt
Press [Enter] to continue:
320167484@YY254996~windows 10]> [Enter] >
```

```
[320167484@YY254996~windows 10]> load 5

 _____
|  ___|  |  |  ___ \
| |___  |  |  |_/  /
\____ \ |  |  |  __ \
 ___/ / |  |  | |_/ /
/____/  |__|  |____/
------------------
Server Message Block
Module Author: @MaurosMJ


Extended Commands:
==================

  Command                 Description
  -------                 -----------

  'help' or 'hp'          Display information about modules and retrieve the value of context-specific variables.
  'set'                   Set a context-specific variable to a value.
  'run'                   Run a framework module.
  'unset'                 Unset one context-specific variable.
  'exit' or 'x'           Move back from the current context.
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  Tip: When assigning a value to a variable, use the 'set' command, such as 'set host', and then enter the corresponding value.
  Tip: To run the module, use the 'run' command, for example, 'run'. The module will be loaded with all the configurations set in the parameters.
  Tip: For comprehensive documentation, please refer to our Technology Team (Support) Sharepoint at SupportTechnology (https://bit.ly/3HFvAym).

Module Parameters:
==================

  Parameter                    Value
  ---------                    -----

  *Server\Machine (host):      Not specified.
  *User (usr):                 Not specified.
  *Domain (dmn):               Not specified.
  *Password (pwd):             Not specified.

[320167484@YY254996~windows 10]> [Smb Protocol] >
```

```
Extended Commands:
==================

  Command                 Description
  -------                 -----------

  'help' or 'hp'          Display information about modules and retrieve the value of context-specific variables.
  'set'                   Set a context-specific variable to a value.
  'run'                   Run a framework module.
  'unset'                 Unset one context-specific variable.
  'exit' or 'x'           Move back from the current context.
  'exit-now' or 'xn'      Exit the console.


Module Parameters:
==================

  Parameter                    Value
  ---------                    -----

  *Server\Machine (host):      \\192.168.252.100\temp\mauros\nta
  *User (usr):                 java.osweb
  *Domain (dmn):               WHEBDC.COM.BR
  *Password (pwd):             @Philips2013

[320167484@YY254996~windows 10]> [Smb Protocol] > run

Starting module..
...
#                jcifs.smbRW                #
##############################################
#   Module has been loaded successfully     #
##############################################

Initiating authentication with the target host.
smb://192.168.252.100/temp/mauros/nta/smbRW-29-01-2024-14100054.txt/
[WRITE = OK] File successfully sent to the server!
[READ = OK] File content read from the server:
File content: This is a text file.
>Press [Enter] to continue:
[320167484@YY254996~windows 10]> [Enter] >
```

4. SMTP:


```
[320167484@YY254996~windows 10]> load mail
```

```
 _____
/  _ \/    \/_  _/_ __\
|  _  /|  |  | | |  |  ||
|_| \_\|_|  |_| |_| |_/

----------------------------
Simple Mail Transfer Protocol
Module Author: @MaurosMJ


Extended Commands:
==================

  Command             Description
  -------             -----------

  'help' or 'hp'      Display information about modules and retrieve the value of context-specific variables.
  'set'               Set a context-specific variable to a value.
  'run'               Run a framework module.
  'unset'             Unset one context-specific variable.
  'exit' or 'x'       Move back from the current context.
  'exit-now' or 'xn'  Exit the console.

  Tip: When assigning a value to a variable, use the 'set' command, such as 'set host', and then enter the corresponding value.
  Tip: To run the module, use the 'run' command, for example, 'run'. The module will be loaded with all the configurations set in the parameters.
  Tip: For comprehensive documentation, please refer to our Technology Team (Support) Sharepoint at SupportTechnology (https://bit.ly/3HFvAym).

Module Parameters:
==================

  Parameter                   Value
  ---------                   -----

  *Server\Machine (host):     Not specified.
  *Port (port):               Not specified.
  *STARTTLS (stls):           y (default)
  *Authentication (aut):      y (default)
  *Protocol (prot):           Not specified.
  *Sender (rem):              Not specified.
  *Password (pwd):            Not specified.
  *Recipient (des):           Not specified.
  *Title (tmsg):              Email sent with a default title by the NTA.
  *Subject (pmsg):            Email sent with a default subject by the NTA.
  *Number of emails (qtdm):   1 (default)

[320167484@YY254996~windows 10]> [SMTP Protocol] >
```



```
Module Parameters:
==================

  Parameter                   Value
  ---------                   -----

  *Server\Machine (host):     smtp.office365.com
  *Port (port):               587
  *STARTTLS (stls):           y (default)
  *Authentication (aut):      y (default)
  *Protocol (prot):           TLSv1.2
  *Sender (rem):              ████████vi@outlook.com
  *Password (pwd):            Cota████████
  *Recipient (des):           ████████ach@gmail.com
  *Title (tmsg):              Email sent with a default title by the NTA.
  *Subject (pmsg):            Email sent with a default subject by the NTA.
  *Number of emails (qtdm):   1 (default)

[320167484@YY254996~windows 10]> [SMTP Protocol] > run

Starting module..
...
#                     javax.mail                     #
#####################################################
#    Module has been loaded successfully    #
#####################################################
Email sent successfully!
>Press [Enter] to continue:
[320167484@YY254996~windows 10]> [Enter] >
```

5. Socket:

```
[320167484@YY254996~windows 10]> load socket

 SOCKET
---------------------------------
Socket Connection
Module Author: @MaurosMJ


Extended Commands:
==================

  Command              Description
  -------              -----------

  'help' or 'hp'        Display information about modules and retrieve the value of context-specific variables.
  'set'                 Set a context-specific variable to a value.
  'run'                 Run a framework module.
  'unset'               Unset one context-specific variable.
  'exit' or 'x'         Move back from the current context.
  'exit-now' or 'xn'    Exit the console.

  Tip: When assigning a value to a variable, use the 'set' command, such as 'set host', and then enter the corresponding value.
  Tip: To run the module, use the 'run' command, for example, 'run'. The module will be loaded with all the configurations set in the parameters.
  Tip: For comprehensive documentation, please refer to our Technology Team (Support) Sharepoint at SupportTechnology (https://bit.ly/3HFvAym).

Module Parameters:
==================

  Parameter              Value
  ---------              -----

  *Server\Machine (host):    Not specified.
  *Port (port):              Not specified.

[320167484@YY254996~windows 10]> [Socket] > _
```

```
Module Parameters:
==================

  Parameter              Value
  ---------              -----

  *Server\Machine (host):    sup-tasy-00.whebdc.com.br
  *Port (port):              443

[320167484@YY254996~windows 10]> [Socket] > run

Starting module..
...
#              java.net.socket              #
###########################################
#   Module has been loaded successfully   #
###########################################
Successful connection with sup-tasy-00.whebdc.com.br:443
>Press [Enter] to continue:
[320167484@YY254996~windows 10]> [Enter] > _
```

HTTP Post:

```
 HTTP Post
---------------------------------
Hypertext Transfer Protocol (POST)
Module Author: @MaurosMJ


Extended Commands:
==================

  Command              Description
  -------              -----------

  'help' or 'hp'        Display information about modules and retrieve the value of context-specific variables.
  'set'                 Set a context-specific variable to a value.
  'run'                 Run a framework module.
  'unset'               Unset one context-specific variable.
  'exit' or 'x'         Move back from the current context.
  'exit-now' or 'xn'    Exit the console.

  Tip: When assigning a value to a variable, use the 'set' command, such as 'set host', and then enter the corresponding value.
  Tip: To run the module, use the 'run' command, for example, 'run'. The module will be loaded with all the configurations set in the parameters.
  Tip: For comprehensive documentation, please refer to our Technology Team (Support) Sharepoint at SupportTechnology (https://bit.ly/3HFvAym).

Module Parameters:
==================

  Parameter              Value
  ---------              -----

  *URL (url):            Not specified.
   Data (data):

[320167484@YY254996~windows 10]> [HTTP Post Request] > _
```

Module Parameters:
==================

  Parameter   Value
  ---------   -----

  *URL (url):   https://philips-api.tasy.com.br/app-manager-server/tasy/3.07.1820/0/60884855000154
   Data (data):   tag=TasyReports

[320167484@YY254996~windows 10]> [HTTP Post Request] > run

Starting module..
...
java.net.httpPost_Request
###
Module has been loaded successfully
###

Request response:
{"tags":[{"memoryProdHome":2688,"memoryHomolHome":1664,"memoryProdCloud":1664,"memoryHomolCloud":1664,"imageSource":"I","tagName":"tasy/tasyreports","pr
oject":"TasyReports","versions":[{"version":"4.00.1823","builds":[{"build":1,"buildContainer":45069,"dependency":[]},{"build":2,"buildContainer":46105,"
dependency":[]},{"build":3,"buildContainer":46417,"dependency":[]},{"build":4,"buildContainer":47088,"dependency":[]},{"build":5,"buildContainer":47101,
"dependency":[]},{"build":6,"buildContainer":47475,"dependency":[]},{"build":7,"buildContainer":47592,"dependency":[]},{"build":8,"buildContainer":48223
,"dependency":[]},{"build":9,"buildContainer":48254,"dependency":[]},{"build":10,"buildContainer":48345,"dependency":[]},{"build":11,"buildContainer":48
508,"dependency":[]},{"build":12,"buildContainer":48599,"dependency":[]},{"build":13,"buildContainer":48623,"dependency":[]},{"build":14,"buildContainer
":48699,"dependency":[]},{"build":15,"buildContainer":48747,"dependency":[]},{"build":16,"buildContainer":48779,"dependency":[]},{"build":17,"buildConta

Documentação completa: https://share.philips.com/sites/SupportTechnology/SitePages/NTA---networkTester.aspx#xml