



Quick Start Guide – Registering a new agent

Connect your device to Internet

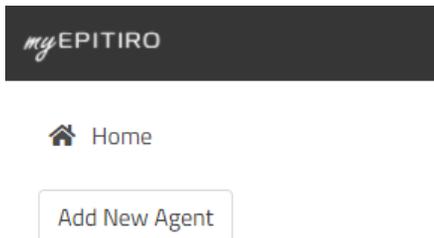
1

Connect your device to the Internet using the provided Ethernet cable. If ethernet is not available see Other Connection Methods.



Login to myEPITIRO.com

2



- Sign-up at <http://my.epitiro.com>.
- Log into your account.
- Select “Add New Agent”

Register Agent

3

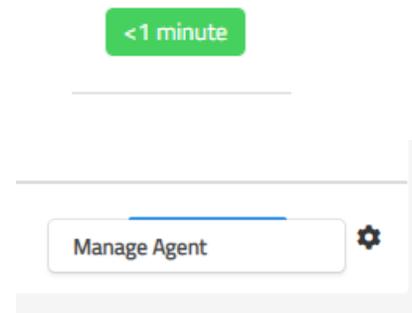
[← Home Page](#)

The screenshot shows the 'Agent Registration Form'. It has two input fields: 'Wi-Fi Mac Address' with the value 'B0:F1:EC:0B:7C:04' and a green checkmark, and 'Agent Name' with the value 'My New Device'. A yellow 'Register' button is at the bottom.

- Enter the Wi-Fi Mac address of your device. This can be found on the white sticker on the box and on the back of the device.
- Name Your Device
- Select “Register”

Manage Agent

4

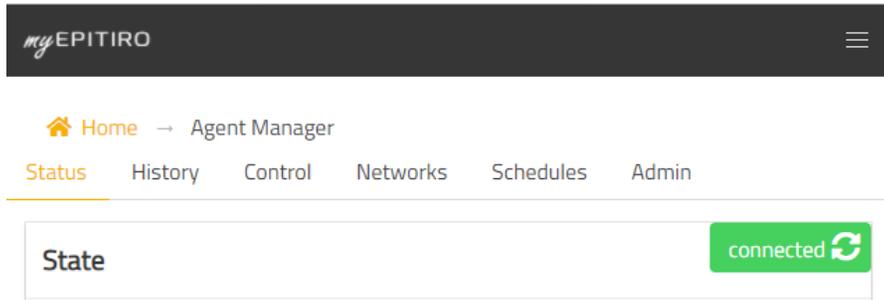


- Your Agent should show as being online.
- Select the Gear icon and scroll to “Manage Agent”
- See next page for “Manage Agent” features.
 - The Agent defaults to Manual mode. To start your test schedule go to “Control” and run the desired test schedule or the Default schedule.

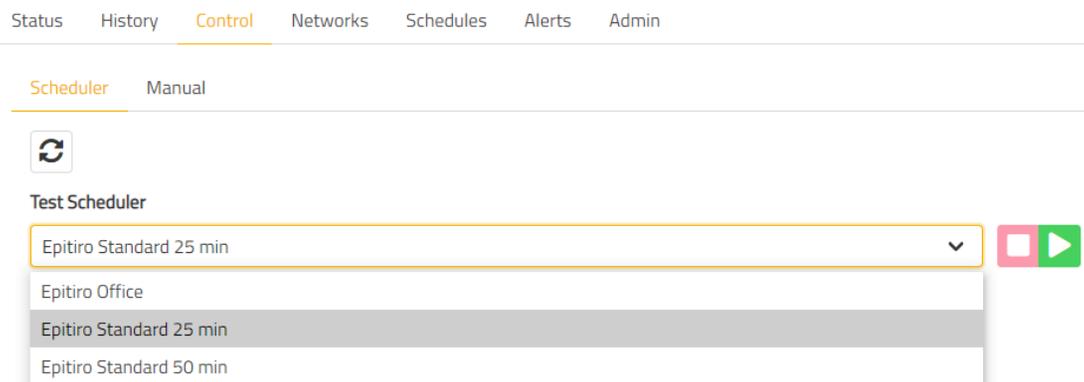


Quick Start Guide – Manage Agent Overview

Please note – the Agent must be “Connected” to operate server-side controls



- Status – Current State and Information about the Agent
- History – A time series list of events and tasks executed by the Agent
- Control – Enabling Manual or Scheduled Modes, Selecting Networks, Running Manual Tests
- Networks – Entering Wi-Fi Interfaces, Ethernet, LTE details
- Schedules – Create and administer test schedules
- Admin – Update Agent software



When a device is first registered it defaults to Manual mode.

To start running tests automatically you need to run a schedule.

You may select from the pre-set Epitiro schedules or you may create a custom schedule using the Schedules tab. The pre-set Epitiro schedules test only the network that the Agent is currently connected to and do not manage the network connection.



Quick Start Guide – Configuring and connecting to Wi-Fi

Please note – the Agent must be “Connected” to operate server-side controls. Leave Ethernet connected until Wi-Fi is configured.

1. In Manage Agent > Networks - Select Add New Network Configuration
2. Select Network Type Wi-Fi. Enter the desired interface name and the SSID credentials. SSID and the Pre-Shared Key are case sensitive.
3. In Manage Agent > Control > Manual – Select the SSID from the list and press Connect. The server will contact the agent and connect to the specified SSID.
4. In Manage Agent > Status – Observe the Interface is now Wi-Fi and the device is connected to the specified SSID.

The screenshot shows the 'Networks' tab in the Manage Agent interface. The navigation bar includes Status, History, Control, Networks (selected), Schedules, Alerts, and Admin. Below the navigation bar, there are tabs for 'Configuration' and 'Captive Portal'. A prominent orange button labeled '+ Add New Network Configuration' is highlighted with a blue box containing the number '1'. Below this button is a table with columns for 'Name' and 'Interface'. The table lists three configurations: 'EpiTiro Lab' (Interface: EpiTiroLab 5.0), 'Ethernet' (Interface: Ethernet), and 'my remote network' (Interface: myremotenet). Each row has a checkbox, a Wi-Fi or Ethernet icon, and edit/delete icons. A blue information box at the bottom contains a message: 'Download selected network configurations to your device. See [How to get your device online]'.

The screenshot shows the 'New Network' configuration form. A blue box with the number '2' is overlaid on the 'Configuration Name' field, which contains the text 'my new network'. The form includes a 'Network Type' dropdown menu set to 'Wi-Fi', a 'Connection Timeout (s)' field set to '60', and a 'Wi-Fi Configuration' section. The 'Wi-Fi Configuration' section has fields for 'SSID' (with a red error message 'Cannot be empty'), 'Security Type' (set to 'WPA/WPA2 PSK'), and 'PreShared Key' (with a red error message 'Cannot be empty'). The form also has 'Save' and 'Cancel' buttons at the bottom right.

The screenshot shows the 'Manual' control page. The navigation bar includes Status, History, Control (selected), Networks, Schedules, Alerts, and Admin. Below the navigation bar, there are tabs for 'Scheduler' and 'Manual'. A 'Get info' button is visible. There are checkboxes for 'Device' (checked) and 'Fallback Networks'. A dropdown menu shows 'EpiTiro Lab' and a 'Connect' button with a Wi-Fi icon is highlighted with a blue box containing the number '3'. Below this, there is a 'Select Test' dropdown and a 'Run' button. On the right side, the 'Last Task' section shows: 'Task Type: Connect', 'Status: succeeded', 'Date: 10:54:54 AM', and 'Task Summary: Connected in 1.4s'.

The screenshot shows the 'Status' page. The navigation bar includes Status (selected), History, Control, Networks, Schedules, Alerts, and Admin. The 'State' section shows a green 'connected' status with a refresh icon. Below this, there is a 'Meta' section with a checkmark icon. The 'State' section displays the following details: 'Control Mode: Manual', 'Uptime: 0d 15h 27m', 'Interface: EpiTiroLab 5.0 [5.0]', 'BSSID: 60:38:e0:ce:e6:7a', 'Frequency, Hz: 5745', 'Schedule Name: new test schedule', and 'Active Task(s): Idle (Manual Mode)'.

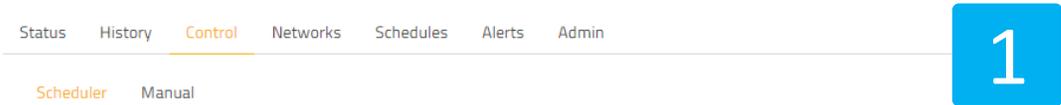
Need help? Contact us at support@EpiTiro.com



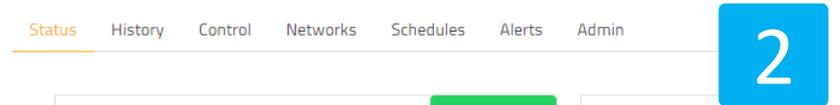
Quick Start Guide – Starting a test schedule – myEPITIRO Personal

Please note – the Agent must be “Connected” to operate server-side controls.

1. In Manage Agent > Control > Scheduler - Select the EpiTiro Standard 25 Min or 50 Min schedule. Select the Green “Play” button. The schedule will start.
2. In Manage Agent > Status - Observe the Agent is in scheduled mode
3. In Manage Agent > History – Observe the status and results of each task.

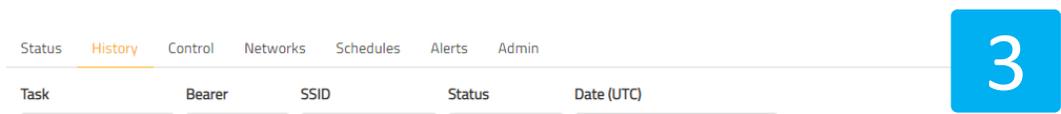


ID	Task
1	WIFI Scan
2	Browser
3	Ookla SpeedTest
4	ICMP Ping
5	Youtube
6	Dropbox
7	Wait 50 minutes



State connected

Control Mode: Scheduler
Uptime: 0d 15h 31m
Interface: EpiTiroLab 5.0 [5.0]
BSSID: 60:38:e0:ce:e6:7a
Frequency, Hz: 5745
Schedule Name: EpiTiro Standard 50 min
Active Task(s): Browser



Date (Local) ↓	Task	Interface	Status	Summary
4/2/2021, 11:32:24 AM	ICMP Ping	EpiTiroLab 5.0	succeeded	Latency: 20 ms
4/2/2021, 11:31:30 AM	Ookla SpeedTest	EpiTiroLab 5.0	succeeded	Down: 239.44 Mbps, Up: 42.39 Mbps, Latency: 19 ms
4/2/2021, 11:31:09 AM	Browser	EpiTiroLab 5.0	succeeded	Load time: 3972 ms
4/2/2021, 11:30:56 AM	WIFI Scan	EpiTiroLab 5.0	succeeded	Scanned 47 BSSIDs
4/2/2021, 11:09:21 AM	Dropbox	EpiTiroLab 5.0	succeeded	Down: 7.77 Mbps, Up: 3.58 Mbps

Need help? Contact us at support@EpiTiro.com



Quick Start Guide – Creating and starting a test schedule – myEPITIRO Professional

Please note – the Agent must be “Connected” to operate server-side controls.

1. In Manage Agent > Schedules - Select the Add New Test Schedule.
2. Enter the schedule name. Select Add new Sequence. In connect to select the Wi-Fi or Ethernet interface you’d like to test. Select Add Default Tests. Select the wait time for each test cycle. Save you test schedule.
3. In Manage Agent > Control > Scheduler – Select the desired test schedule and press the green play button.
4. In Manage Agent > Status - Observe the Agent is in scheduled mode
5. In Manage Agent > History – Observe the status and results of each task.

Status History Control Networks **Schedules** Alerts Admin

1

+ Add New Test Schedule

Name ↑	Manage scheduled agents
Epitiro Standard 25 min	Assigned 0, Running 0
Epitiro Standard 50 min	Assigned 1, Running 0
my remote net schedule	Assigned 0, Running 0  
new test schedule	Assigned 0, Running 0  

New Schedule **2**

Name

Select Existing Schedule as Template

Connect to

Test    

Test    

Test    

Test    

Test    

Test    

+ Test

Wait, minutes   

+ Connection and Wait

Save

Status History **Control** Networks Schedules Alerts Admin

3

Scheduler Manual



Test Scheduler

ID	Task
1	Connect [Epitiro Lab]
2	ICMP Ping
3	Ookla SpeedTest
4	WIFI Scan
5	Browser
6	Youtube
7	Dropbox
8	Wait 5 minutes
9	Connect [Ethernet]
10	ICMP Ping
11	Ookla SpeedTest
12	Browser
13	Youtube
14	Dropbox
15	Wait 25 minutes

Need help? Contact us at support@Epitiro.com



Connect Agent to Wi-Fi

1

- Connect a display and mouse to your Agent
- Go to Settings (Gear Icon) and select Wi-Fi
- Select your desired Wi-Fi SSID and enter credentials
- In myEPITIRO your Agent should be “Connected”

Optional

- Launch Sentinel Application from main screen on Agent
- Your Agent should show as being Connected.

Connect Default Hotspot

2

The Agent is preconfigured to attempt to connect to the default Wi-Fi Network below. You may set-up an Access Point or use your smartphone hotspot feature (temporary) with the default fallback SSID and Pre-share Key. All are case sensitive.

SSID: sentinel

Authentication: WPA/PWA2 PSK

Pre-Shared Key: bootstrap

Add Network From USB

3

You may transfer Network Configuration to the Agent via a USB thumb drive.

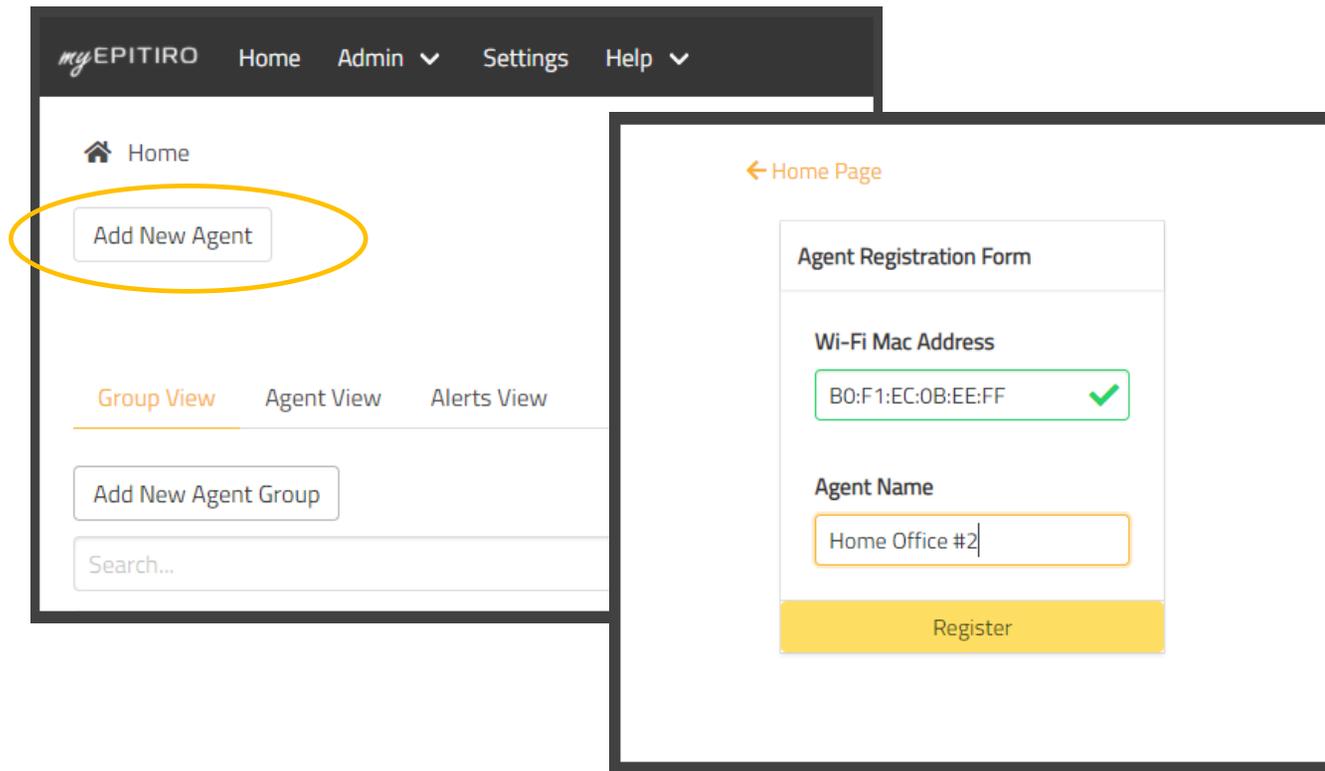
- Login to myEPITIRO.com
- Navigate to Network Configurations
- Add a Network (or more than one)
- Select one or more networks to use with your agent and click “Download”
- Copy the file (“network_configs.json”) to the root directory of a USB thumb drive.
- Insert the USB into your agent.
- The network configurations will be used to connect to the internet if those networks are available.

myEPITIRO – System Overview



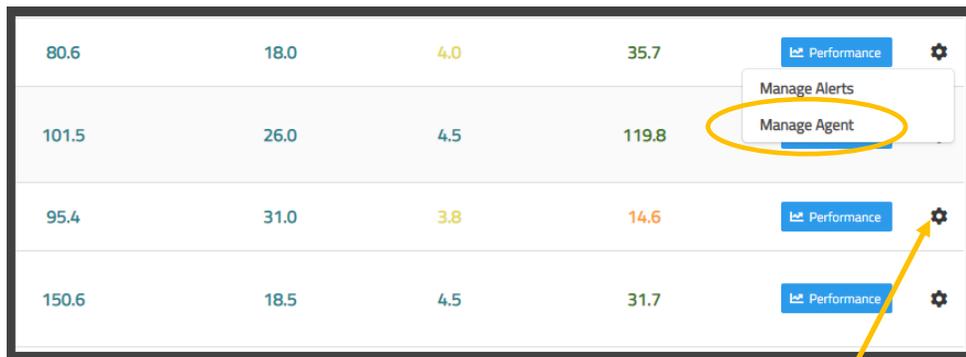
myEPITIRO – Agent Management

Registering a New Agent to your account



myEPITIRO – Agent Management

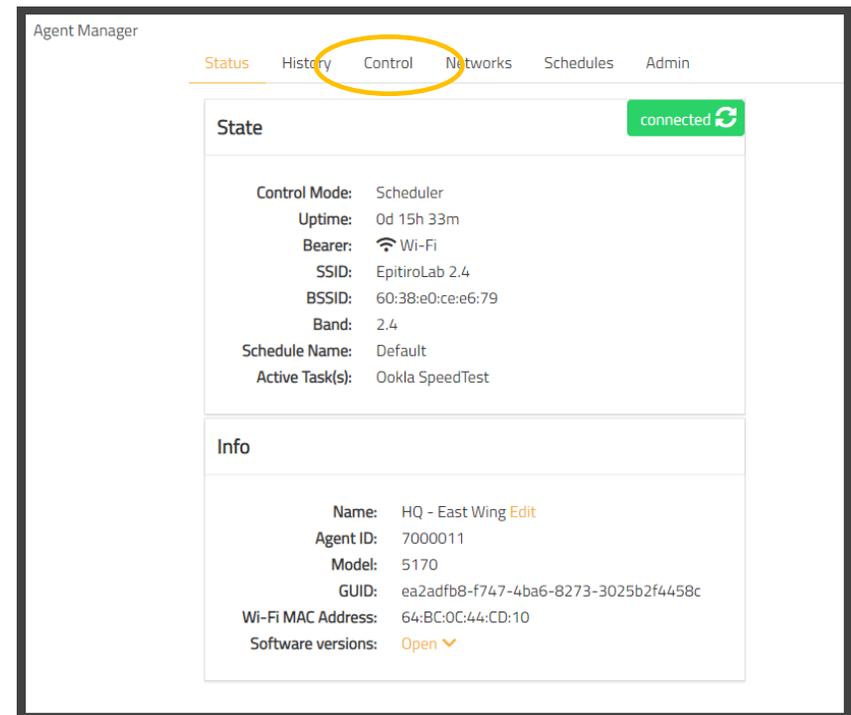
Controlling the Agent



The screenshot shows a table with four rows of agent data. Each row has a 'Performance' button and a gear icon. A dropdown menu is open for the gear icon in the second row, with 'Manage Alerts' and 'Manage Agent' options. The 'Manage Agent' option is circled in yellow. A yellow arrow points from the 'Manage Agent' option to the text below.

80.6	18.0	4.0	35.7	Performance	⚙️
101.5	26.0	4.5	119.8	Performance	⚙️
95.4	31.0	3.8	14.6	Performance	⚙️
150.6	18.5	4.5	31.7	Performance	⚙️

From the Agent dashboard select
“Manage Agent” from the gear wheel



The screenshot shows the 'Agent Manager' interface with the 'Control' tab selected. The 'State' section shows the agent is 'connected'. The 'Info' section lists various details about the agent.

Agent Manager

Status History **Control** Networks Schedules Admin

State connected

Control Mode: Scheduler
Uptime: 0d 15h 33m
Bearer: Wi-Fi
SSID: EpitiroLab 2.4
BSSID: 60:38:e0:ce:e6:79
Band: 2.4
Schedule Name: Default
Active Task(s): Ookla SpeedTest

Info

Name: HQ - East Wing [Edit](#)
Agent ID: 7000011
Model: 5170
GUID: ea2adfb8-f747-4ba6-8273-3025b2f4458c
Wi-Fi MAC Address: 64:BC:0C:44:CD:10
Software versions: [Open](#)

myEPITIRO – Agent Management

Controlling the Agent

Agent runs in Scheduled or Manual Mode

Current Test Schedule

Agent must be stopped to run Manual mode

The screenshot shows the 'Control' tab of the myEPITIRO interface. It features a navigation bar with 'Status', 'History', 'Control', 'Networks', 'Schedules', and 'Admin'. Below the navigation bar, there are two tabs: 'Scheduler' and 'Manual'. The 'Scheduler' tab is active, displaying a box with the following information: 'Started: 10/21/2020, 2:17:11 PM', 'Next Task Starts: in 12 minutes', and 'Total Cycles: 305'. To the right of this box is a refresh icon. Below the box is a 'Test Scheduler' section with a dropdown menu showing 'High Speed Residence' and a play/pause button. To the right of the play/pause button is a table with 15 rows, each representing a task. The table has two columns: 'ID' and 'Task'. The tasks are: 1. Connect [Sentinel Demo Connection], 2. WIFI Scan, 3. Browser, 4. Ookla SpeedTest, 5. ICMP Ping, 6. Youtube, 7. Dropbox, 8. Connect [Sentinel Demo Connection Guest Network], 9. WIFI Scan, 10. Browser, 11. Ookla SpeedTest, 12. ICMP Ping, 13. Youtube, 14. Dropbox, and 15. Wait. The 15th row is highlighted in orange. A yellow arrow points from the 'Agent runs in Scheduled or Manual Mode' text to the 'Scheduler' tab. Another yellow arrow points from the 'Current Test Schedule' text to the 'High Speed Residence' dropdown. A third yellow arrow points from the 'Agent must be stopped to run Manual mode' text to the play/pause button.

ID	Task
1	Connect [Sentinel Demo Connection]
2	WIFI Scan
3	Browser
4	Ookla SpeedTest
5	ICMP Ping
6	Youtube
7	Dropbox
8	Connect [Sentinel Demo Connection Guest Network]
9	WIFI Scan
10	Browser
11	Ookla SpeedTest
12	ICMP Ping
13	Youtube
14	Dropbox
15	Wait

myEPITIRO – Agent Management

Controlling the Agent – Manual Mode

Select Network to connect to

Select Test to run

Get device info

Select Connection

Connect

Trace Route

Run

ICMP Ping

Ookla SpeedTest

WIFI Scan

Browser

Youtube

Dropbox

Trace Route

Last Task

Task Type: Trace Route

Status: succeeded

Date: 3:48:14 PM

Task Summary: Traceroute test took 388 ms

Get test status and immediate results

Click link to expand details

myEPITIRO – Agent Management

Viewing real-time Agent results

Filter by element



Navigation: Status **History** Control Networks Schedules Admin

Filters: Task: all, Bearer: all, SSID: all, Status: all

Date ↓	Task	Bearer	SSID	Status	Summary
10/28/2020, 3:32:41 PM	Browser	Wi-Fi	EpitiroLab 2.4[2.4]	succeeded	Load time: 1767 ms
10/28/2020, 3:32:17 PM	WIFI Scan	Wi-Fi	EpitiroLab 2.4[2.4]	succeeded	Scanned 61 BSSIDs
10/28/2020, 3:06:52 PM	Dropbox	Wi-Fi	EpitiroLab 2.4[2.4]	succeeded	Down: 8.06 Mbps, Up: 3.85 Mbps
10/28/2020, 3:06:13 PM	Youtube	Wi-Fi	EpitiroLab 2.4[2.4]	succeeded	Start time: 1014 ms
10/28/2020, 3:05:52 PM	ICMP Ping	Wi-Fi	EpitiroLab 2.4[2.4]	succeeded	Latency: 84 ms
10/28/2020, 3:04:32 PM	Ookla SpeedTest	Wi-Fi	EpitiroLab 2.4[2.4]	succeeded	Down: 81.06 Mbps, Up: 36.55 Mbps, Latency: 18 ms
10/28/2020, 3:04:12 PM	Browser	Wi-Fi	EpitiroLab 2.4[2.4]	succeeded	Load time: 1711 ms
10/28/2020, 3:03:37 PM	WIFI Scan	Wi-Fi	EpitiroLab 2.4[2.4]	succeeded	Scanned 59 BSSIDs
10/28/2020, 2:38:12 PM	Dropbox	Wi-Fi	EpitiroLab 2.4[2.4]	succeeded	Down: 7.47 Mbps, Up: 1.28 Mbps
10/28/2020, 2:37:32 PM	Youtube	Wi-Fi	EpitiroLab 2.4[2.4]	succeeded	Start time: 986 ms

11-20 / 253

myEPITIRO – Agent Management

Adding New Networks

Create new network
Connection
SSID
Ethernet
LTE/Cellular

Select Existing network
To edit or delete

Status	History	Control	Networks	Schedules	Alerts	Admin
Add New Network Configuration						
<input type="checkbox"/>	Name ↑	Type	SSID			
<input type="checkbox"/>	Des's Guest Wi-Fi	Wi-Fi	Owenshome-Guest			
<input type="checkbox"/>	Epitiro Corporate (New Office)	Wi-Fi	EpitiroCorp			
<input type="checkbox"/>	Epitiro Lab	Wi-Fi	EpitiroLab 2.4			
<input type="checkbox"/>	EpitiroLab #2	Wi-Fi	EpitiroLab 2.4			
<input type="checkbox"/>	ETHERNET	Ethernet	-			
<input type="checkbox"/>	Example EAP - AKA	Wi-Fi	EAP			
<input type="checkbox"/>	Example EAP - PEAP	Wi-Fi	EAP			
<input type="checkbox"/>	Example EAP - TLS	Wi-Fi	EAP			

myEPITIRO – Agent Management

Adding New Test Schedules

Create new Test Schedules

Select schedules to Assign new Agents Start/Stop Agents Edit or delete schedule

Name ↑	Manage scheduled agents
Dimitri Test	Assigned 1, Running 1  
Epiteiro Standard 25 min	Assigned 6, Running 4
Epiteiro Standard 50 min	Assigned 0, Running 0
Eth and WiFi No Youtube	Assigned 1, Running 1  
Office Default	Assigned 1, Running 0  
Simon Home	Assigned 2, Running 1  

myEPITIRO – Agent Management

Defining a new Test Schedule

Select network connection



Chose tests and order of execution



Select wait times to control test frequency



Add other network connections & associated tests



Configure test parameters