

Edgecore Networks EAP External Captive Portal for Hotspot User Guide

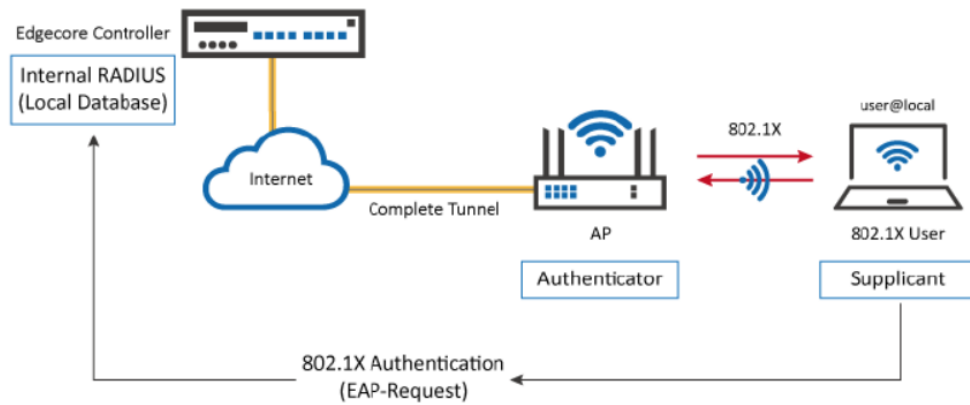
[Home](#) » [Edgecore NETWORKS](#) » Edgecore Networks EAP External Captive Portal for Hotspot User Guide 

Contents

- [1 Edgecore Networks EAP External Captive Portal for Hotspot](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Introduction](#)
- [5 Flow Diagram](#)
- [6 Hotspot redirect client to Captive Portal until authenticated](#)
- [7 Client submits credential to Hotspot](#)
- [8 Hotspot redirect client to Captive Portal after login success](#)
- [9 External Captive Portal example](#)
- [10 Documents / Resources](#)
 - [10.1 References](#)
- [11 Related Posts](#)



Edgecore Networks EAP External Captive Portal for Hotspot



Product Information

Specifications

- Firmware Version: V12.0.0 or later
- Supported Model: EAP, OAP
- Date: 07th Apr 2024
- Author: Casper Wu
- Revision: 1st revision

Product Usage Instructions

Introduction

This product is designed to redirect clients to an external captive portal before and after successful login.

Flow Diagram

Hotspot Redirects Client to Captive Portal Until Authenticated

When a client browses a website before being authenticated, the Hotspot will redirect the client to the captive portal with the following parameters

- res=notyet
- nasid=nas01
- uamip=192.168.182.1
- uamport=3990
- ssid=Hotspot
- sessionid=170972157400000001
- md=BB6E6C8D874B2C4AD5F63E6437BEB221
- challenge=19bb597da7d85dae3fe939934140ead3
- called=E0-01-A6-AA-AA-AA
- mac=00-CC-CC-CC-CC-CC
- ip=192.168.182.10
- userurl= <http://www.example.com/>

Client Submits Credential to Hotspot

An example scenario after the client sends credentials for authentication:

Username

Password

Hotspot Redirects Client to Captive Portal After Login Success

Once the user is authenticated, the Hotspot redirects the client to the captive portal with the following parameters

- res=success
- uid=radius_user
- nasid=nas01
- redirurl= <http://www.edge-core.com/>
- uamip=192.168.182.1
- timeleft=660
- uamport=3990
- ssid=Hotspot
- sessionid=1709721574000000001
- md=C1CA7B8B01E686BD1F8DF8ED4E5305FF
- called=E0-01-A6-AA-AA-AA
- mac=00-CC-CC-CC-CC-CC
- ip=192.168.182.10
- userurl= <http://www.example.com/>

External Captive Portal Example

The captive portal's response depends on the value of the res parameter. Below is an example:

- res=success: Redirects client to the URL of redirurl (Landing) or userurl (Original Requested)
- res=already: Same as res=success
- res=failed: Warning that the username/password was not valid
- res=notyet: Show page for submitting username and password to Hotspot

Frequently Asked Questions (FAQ)

- **Q: What should I do if I encounter issues with the captive portal redirection?**
 - A: If you face any problems with the captive portal redirection, please check your network settings and ensure that you have entered the correct login credentials.

Technical Guide

External Captive Portal for Hotspot

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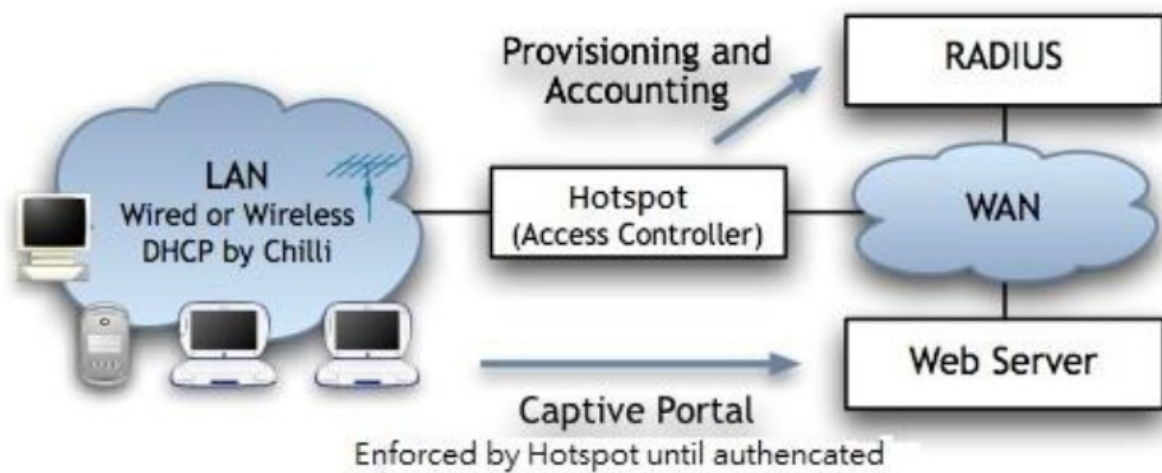
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Revision

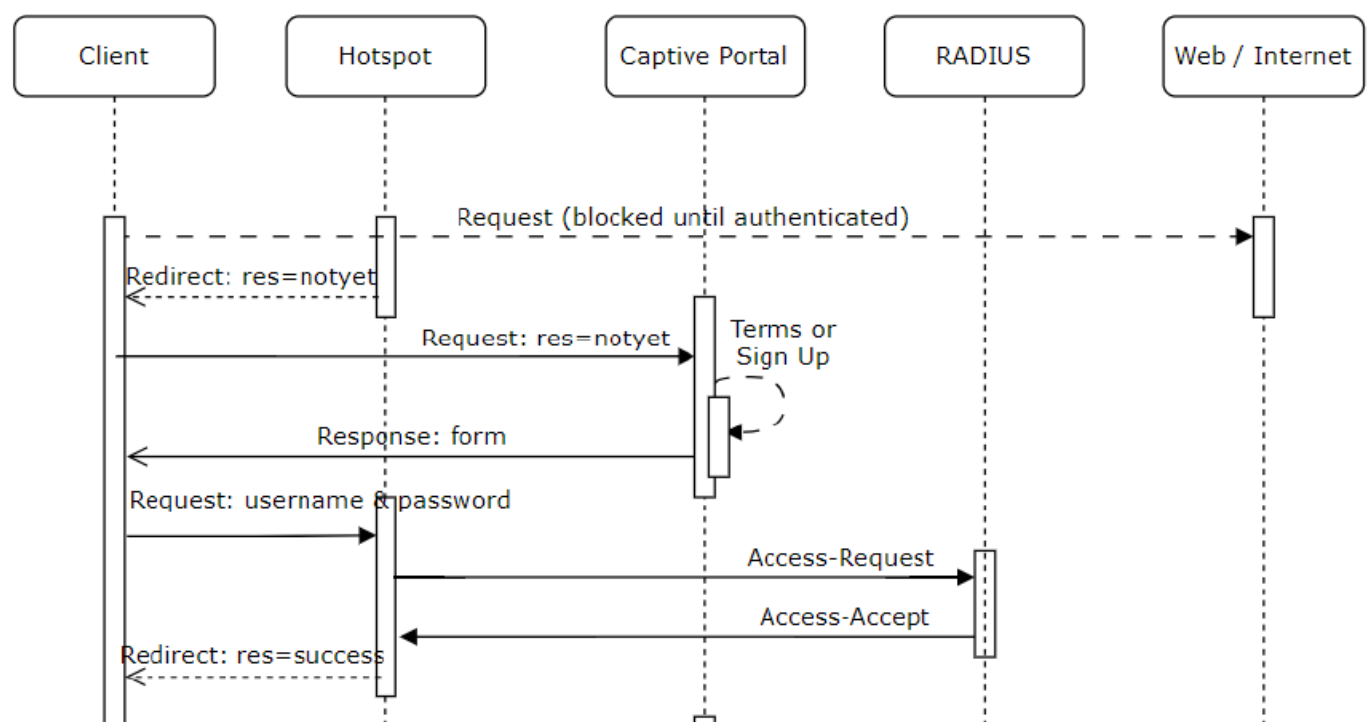
Firmware version	Supported Model	Date	Author	Remarks
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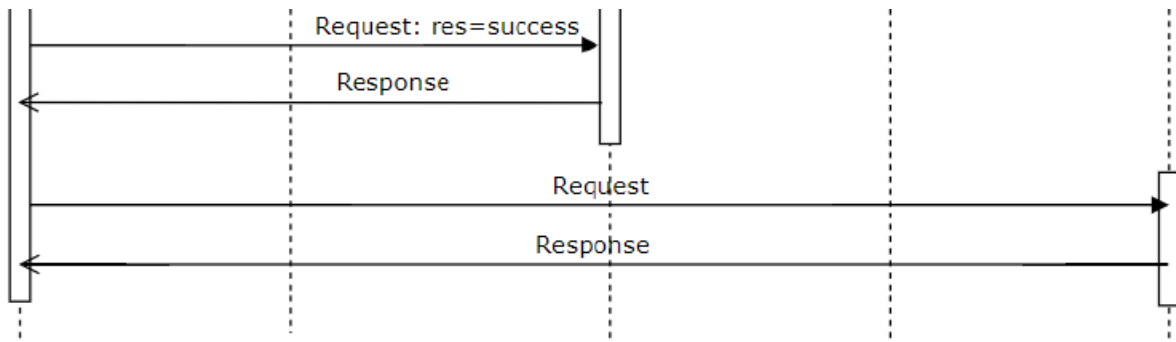
Introduction

This document provides an explanation on how Hotspot will redirect client to external captive portal before and after login success



Flow Diagram





Hotspot redirect client to Captive Portal until authenticated

When client browse web site before authenticated, Hotspot redirect client to captive portal with below parameters

- res=notyet
- nasid=nas01
- uamip=192.168.18 2.1
- uamport=3990
- ssid=Hotspot
- sessionid=170972157400000001
- md=BB6E6C8D874B2C4AD5F63E6437BEB221
- challenge=19bb597da7d85dae3fe939934140ead3
- called=E0-01-A6-AA-AA-AA
- mac=00-CC-CC-CC-CC-CC
- ip=192.168.182.10
- userurl= <http://www.example.com/>

Client submits credential to Hotspot

Username	
Password	
Login	

Below is an example, after client sends credential for authentication

- <html>
- <head>
- <title>Login</title>
- </head>
- <body>
- <form method="post" action="http://192.168.182.1:4990/www/login.chi"> <table border="0" cellpadding="5" cellspacing="0">

- `<tr><td>Username<td><input name="username" type="input">`
- `<tr><td>Password<td><input name="password" type="password">`
- `</table>`
- `<input type="submit" value="Login">`
- `</form>`
- `</body>`
- `</html>`

Hotspot redirect client to Captive Portal after login success

After user is authenticated, Hotspot redirects client to captive portal with below parameters

- `res=success`
- `uid=radius_user`
- `nasid=nas01`
- `redirurl= http://www.edge-core.com/`
- `uamip=192.168.182.1`
- `timeleft=660`
- `uamport=3990`
- `ssid=Hotspot`
- `sessionid=170972157400000001`
- `md=C1CA7B8B01E686BD1F8DF8ED4E5305FF`
- `called=E0-01-A6-AA-AA-AA`
- `mac=00-CC-CC-CC-CC-CC`
- `ip=192.168.182.10`
- `userurl= http://www.example.com/`

External Captive Portal example

Captive portal response depends on value of "res" parameter (below is an example)

- `res=success`, redirects client to URL of "redirurl" (Landing) or "userurl" (Original Requested)
- `res=already`, same as `res=success`
- `res=failed`, warning that username / password was not valid
- `res=notyeh`, show page for submit username and password to Hotspot
- `<?`
- `$res = $_REQUEST["res"];`
- `if ($res == 'success' || $res == 'already') {`
- `$url = $_REQUEST["redirurl"];`
- `if ($url == "") {`
- `$url = $_REQUEST["userurl"];`
- `}`
- `?>`
- `<meta http-equiv="refresh" content="5;url=<?= $url; ?>">`

- <?
- } elseif (\$res == 'failed') {
- \$msg = "Username and/or password was not valid";
- echo \$msg;
- } else {
- \$uamip = \$_REQUEST["uamip"];
- \$url = "http://\${uamip}:4990/www/login.chi";
- ?>
- <html>
- <head>
- <title>Login</title>
- </head>
- <body>
- <form method="post" action="<?= \$url ?>">
- <table border="0" cellpadding="5" cellspacing="0">
- <tr><td>Username<td><input name="username" type="input">
- <tr><td>Password<td><input name="password" type="password">
- </table>
- <input type="submit" value="Login">
- </form>
- </body>
- </html>
- <?
- }
- ?>

Documents / Resources

	Edgecore Networks EAP External Captive Portal for Hotspot [pdf] User Guide EAP External Captive Portal for Hotspot, EAP, External Captive Portal for Hotspot, Captive Portal for Hotspot, Portal for Hotspot, for Hotspot, Hotspot
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References

-  [Edgecore Networks – Edgecore Networks, a leading provider of traditional and open network solutions, delivers wired and wireless networking products and solutions through channel partners and system integrators worldwide for data center, service provider.](#)
-  [Example Domain](#)
- [User Manual](#)

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