

Dynamic Keys

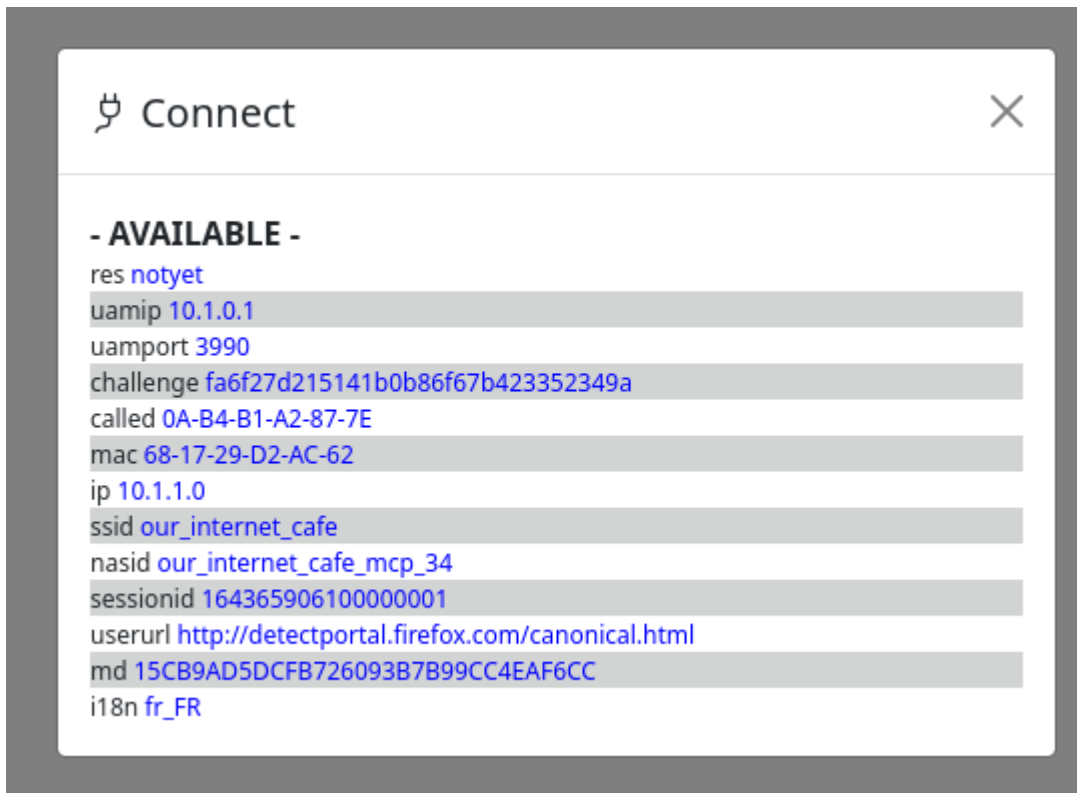
Introduction

- One of the most powerful features of the Login Pages is the Dynamic Keys.
- Unfortunately it is also one of the most misunderstood.
- This dedicated Wiki Page aims to make the aspects around the Dynamic Keys more clear.

Login Page URL

Coova Chilli

- When connecting to a Coova Chill based Captive Portal you will be redirected to the UAM URL.
- Coova Chilli does this automatically and also formulate the query string that is automatically appended to the UAM URL.
- The components and values of the query string is mostly determined by the configuration settings of Coova Chilli.
- Here is a sample of the login page with its query string.
- https://cloud.radiusdesk.com/login/bootstrap5/index.html?res=notyet&uamip=10.1.0.1&uamport=3990&challenge=fa6f27d215141b0b86f67b423352349a&called=0A-B4-B1-A2-87-AA&mac=68-17-30-D2-AC-AA&ip=10.1.1.0&ssid=our_internet_cafe&nasid=our_internet_cafe_mcp_34&sessionid=164365906100000001&userurl=http%3a%2f%2fdetectportal.firefox.com%2fcanonical.html&md=15CB9AD5DCFB726093B7B99CC4EAF6CC&i18n=fr_FR#
- With the Coova Chilli configuration we for instance have
 - nasid = our_internet_cafe_mcp34
 - ssid = our_internet_cafe
- Some settings must be unique to the Coova Chilli instance e.g. nasid.
- Other settings can be more generic and can be common between a couple of Coova Chilli instances e.g. ssid.
- If our Login Page have not yet been configured with any Dynamic Keys you will get the following screen.



Mikrotik

- Mikrotik Hotspots works more or less in a similar way.
- If you configure the Mikrotik to use a central login page the replacement login.html page will look something like this

```
<center>If you are not redirected in a few seconds, click 'continue' below<br>
<form name="redirect"
action="https://cloud.radiusdesk.com/cake3/rd_cake/dynamic-details/mikrotik-browser-detect" method="post">
  <input type="hidden" name="loginlink" value="$(link-login-only)">
  <input type="hidden" name="nasid" value="$(identity)">
  <input type="hidden" name="link_status" value="$(link-status)">
  <input type="hidden" name="link_login_only" value="$(link-login-only)">
  <input type="hidden" name="link_logout" value="$(link-logout)">
  <input type="hidden" name="mac" value="$(mac-esc)">
  <input type="hidden" name="type" value="mikrotik">
  <input type="hidden" name="ssid" value="our_internet_cafe">
  <input type="submit" value="continue">
</form>
<script language="JavaScript">
<!--
  document.redirect.submit();
//-->
</script>
```

- Here the Mikrotik will POST some additional data to the CakePHP controller which the controller can then utilize.

- With the Mikrotik you are more in control in terms of that items will be contained in the POST.
- You can even provide your own set of items with the values you choose.
- Like the Coova Chilli pages, the Mikrotik will display a list of available items if the Dynamic Keys have not yet been configured.

Connecting a Login Page with Captive Portal

- The Dynamic Keys are used by RADIUSdesk to determine which Login Page to serve.
- You can make use of any of the listed items and add them as a Dynamic Key to a Login Page.
- Login Pages can also contain multiple Dynamic Keys.
- Lets say you have a very specific login page that should only be shown by one **specific** captive portal you can use the nasid.
- On the other hand if you have for instance a hotel chain and want to use the same page on ALL the captive portals deployed at those hotels you can use a more **generic** item e.g. ssid.
- You can also combine them without any issues.

The screenshot shows the RADIUSdesk web interface. At the top, there's a navigation bar with 'Login Pages' and 'Our Internet Cafe' (with a close button). Below that, a sub-menu includes 'Detail', 'Settings', 'Logo', 'Photos', 'Own Pages', 'Dynamic Keys' (which is active), 'Click To Connect', and 'Social Login'. A toolbar contains icons for refresh, add, delete, and edit. The main content area is a table with the following data:

Name	Value	Priority
nasid specific	our_internet_cafe_mcp_34	1
ssid generic	our_internet_cafe	1

A Final Word On Coova Chilli

- You might have noticed that the sample Login Page URL we supplied for Coova Chilli is different from the typical one we specify as a UAM URL.
- The typical one is: https://cloud.radiusdesk.com/cake3/rd_cake/dynamic-details/chilli-browser-detect/
- What then happens behind the scenes is that the CakePHP Controller will do a redirect to the final Login Page.
- This location is determined by the value of the Theme of the page.
- The Controller also append the language component to the URL's query string e.g. i18n=fr_FR will instruct the page to present itself in French.

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