FAQ Maxwell - HTTP Digest

Introduction				
To ensure that a device is right device that is allowed to download the provisioning file, the access to the (HTTP(S))provisioning server can be protected using HTTP Digest.				
A username and password can be used to confirm the identity of a user before sending sensitive	Valid for Maxwell			
information.	Basic	2	3	4
1. Normal HTTP Digest Authentication Scheme				
 The Maxwell sends the server a request to download the provisioning template. The WEB-server receives the request and requires an authentication. The WEB-server checks if the authentication information is in the request. Because this is the first request, there is no authentication information available. The WEB-server responds returning an 401 Unauthorized. The client receives the WEB-server challenge and gathers the required credentials. A new request is sent containing the username and hashed secret key. Username = Maxwell MAC address (12 Digits) Password = Maxwell MAC-ID (12 Digits) The MAC-ID can be collected when you register the device to the Gigaset Re-direct server. When username and password are correct, the provisioning template is downloaded. 				
Maxwell WEB server				
HTTP Request				
HTTP Response 401 Unauthorized				
HTTP Request With Authentication header				
username = MAC and Password = MAC-ID				

2. First Authentication fails

- 1. The client receives the WEB-server challenge and gathers the required credentials. A new request is sent containing the username (MAC address) and hashed secret key (MAC-ID).
- The WEB-server receives the request and requires an authentication. The WEB-server checks if the authentication information is in the request. The wrong authentication information is available. The WEB-server responds returning an 401 Unauthorized.
- The client receives the WEB-server challenge and gathers the required credentials coming from the device configuration. A new request is sent containing the username and hashed secret key.

Username = Settings - System - Security - HTTP digest username Password = Settings - System - Security - HTTP digest

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password				

SETTINGS	E STATUS					
Network		Certificates				
Telephony	>	Accept all Certificates	Yes N	0		
Online Directories	>					
Online Services	>	HTTP Authentication				
Desk Phone	>	HTTP digest username				
Web Configurator	>	HTTP digest password				
Phone Web Server						
Provisioning and Configur	ation					
Maxwell	1		ſ	W/ED	aaruar	
Maxwell use	With / ername = N H 4(HTTP Request Authentication hea MAC and Password ITTP Response D1 Unauthorized	der d = MAC-II		server	
Maxwell use	With / ername = N 40 With A	HTTP Request Authentication hea MAC and Password ITTP Response D1 Unauthorized HTTP Request Authentication head	der d = MAC-II		server	

3. Second Authentication fails

- The client receives the WEB-server challenge and gathers the required credentials coming from the device configuration. A new request is sent containing the username and hashed secret key.
 The WEB-server receives the request and requires an
- The WEB-server receives the request and requires an authentication. The WEB-server checks if the authentication information is in the request. The wrong authentication information is available. The WEB-server responds returning an 401 Unauthorized.
- **3.** On the Maxwell display, the user can add the Username and Password Manually.

Provisioning Authentication			
Username	16:24 25.04.2017		
Password			
		Abc	
Back		Save	

If you press "**No**" key then menu will be gone after 60 seconds. If you press "**Any**" key then 60 seconds timer will be set to 0 again, 60 seconds after pressing the last key, the menu will be gone.

 $\breve{\mathsf{T}}o$ start provisioning using these credentials, you need to press the "Save" key.

You can try 3 times, will still fails, the menu will be gone. You need to reboot or press provisioning in web-interface to get menu again.

If the entry is correct, the username and password is stored in the web-interface:

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🔅 SETTINGS	🗧 STATUS			ل
Network	>	Certificates		
Telephony	>	Accept all Certificates	Yes No	
Online Directories	>			
Online Services	>	HTTP Authentication		
Desk Phone	>	HTTP digest username		
Web Configurator	>	HTTP digest password		
System				
Phone Web Server				
Provisioning and Confi	iguration			
Security				



Provisioning

The following provisioning Parameters are available, these values are used in step 3.

Web-interface: Settings - System - Security			
System.Security.HTTPAuthUsername	HTTP Digest username		
System.Security.HTTPAuthPassword	HTTP Digest password		

Redirect server

From software 2.25, it is possible to enter the HTTP Digest username and Password via the redirect server.

http://<HTTP digest username>:<HTTP digest password>@<provisioning URL>



Broadsoft

When connected to Broadsoft, the HTTP Digest username and password in the Broadsoft web-interface can be found:

Go to: Users - Profile - Addresses - Configure Identify/Device Profile - Authentication

Authentication	
Use Identity/Device Profile Type	Credentials
Use Custom Credentials	
* Device Access User Name:	21051972
* Device Access Password:	
* Re-type Device Access Password:	