

Below are the endpoints use for update firmware on the GWE and locks.

- Over Network Re-Flash (ONR) of Gateway and Edge Device(s) linked to Gateway
 - o Retrieve latest Gateway f/w rev and URL of binary location via API call

GET <https://partner.lockwebserv.com/engage/firmware/gwe>

- o Command Gateway to re-flash

PUT {{GatewayIP}}/gateway/config

{

"gatewayConfig":{

"genGatewayConfig":{

"fwurl":"http://fw.lockwebserv.com/firmware-container/gwe_01.51.24_gw_image_v1_1.51.24.bin",

"fwDwnldTm":"0", --This will let you select a time to download the firmware file.

"fwImplTm":"0" -- This will let you select a time to start the actual flashing the firmware.

}

}

}

- o Then check status via API call:

GET <https://{{GatewayIP}}/gateway/deviceInfo>

- o Retrieve latest edge device f/w rev and URL of binary location via API call

GET <https://partner.lockwebserv.com/engage/firmware/nde>

- o Command edge device to re-flash

PUT {{GatewayIP}}/gateway/config

```

{
  "gatewayConfig":{
    "edgeDeviceFwUrls":[
      {
        "fwurl":"http://fw.lockwebserv.com/firmware-container/nde\_02.11.29\_Releasepkg\_02.11.29.bin",
        "mdl":"nde", -- The table below displays the model that needs to be use for each lock.
        "fwDwnldTm":"0",
        "fwImplTm":"0",
        "fwVer":"02.11.29" --This must match the firmware version from the file.
      }
    ]
  }
}

```

- Then check status via API call:

GET <https://{{GatewayIP}}/gateway/deviceInfo>

Table 20: Gateway Configuration			
Tag	Short Tag	Type/Length (ASCII bytes)	Value
Keep Alive Time (only applies if hostProtocol is ipClient)	wsKeepAlive	String/4	"1" to "3600" seconds
EdgeDevice FW Update related configs	edgeDeviceFwUrls	Array of Objects (parent = gatewayConfig)	N/A
Firmware Address	fwurl	String/64	Max 256 characters
Device Model Type	mdl	String/15	"nde", "le", "control", "ndeb", "leb", "controlb", "controlbm", cte, rmr
Firmware Download Time	fwDwnldTm	String/14	YYYYMMDDHHMMSS – "20140527040000", May 27, 2014, 4:00:00 am, Value of "0" results in immediate download of the device's firmware image to the Gateway.
Firmware Transfer Time	fwImplTm	String/14	YYYYMMDDHHMMSS – "20140603030000", June 3, 2014, 3:00:00 am, Value of "0" results in immediate start of transfer of the image to the device.
Firmware Version	fwVer	String/9	"xx.xx.xx" Example: "02.08.05"