

# hack4glarus-2019-winter - Task #7389

## Setup a webserver on the APU, create an ipxe script and add bootable files

11/30/2019 07:30 PM - Nico Schottelius

<b>Status:</b>	Closed	<b>Start date:</b>	11/30/2019
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Samuel Hailu	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>PM Check date:</b>			
<b>Description</b>			
<ul style="list-style-type: none"><li>• install nginx</li><li>• download ipxescrpt</li><li>• download kernel</li><li>• download initramfs</li><li>• verify with wget or curl that the files are accessible on the APU from outside<ul style="list-style-type: none"><li>◦ try wget/curl from your notebook</li></ul></li><li>• place all files in the nginx directory</li><li>• modify dhcp6 config to use YOUR webserver (= APU) instead of routerX<ul style="list-style-type: none"><li>◦ currently: <a href="http://[2a0a:e5c0:2:1::6]/ipxescrpt">http://[2a0a:e5c0:2:1::6]/ipxescrpt</a></li></ul></li></ul>			

### History

#1 - 11/30/2019 07:32 PM - Nico Schottelius

- Description updated

```
[19:33] diamond:~% wget http://[2a0a:e5c0:2:1::6]/ipxescrpt
--2019-11-30 19:33:10-- http://[2a0a:e5c0:2:1::6]/ipxescrpt
Connecting to [2a0a:e5c0:2:1::6]:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 180 [application/octet-stream]
Saving to: 'ipxescrpt'
```

```
ipxescrpt          100%[=====>]          180  --.-KB/s   in 0s
```

```
2019-11-30 19:33:10 (14.8 MB/s) - 'ipxescrpt' saved [180/180]
```

```
[19:33] diamond:~% cat ipxescrpt
#!ipxe
initrd --name initramfs initramfs.igz
#echo ... done loading initramfs
#imgstat
kernel kernel initrd=initramfs
#echo ... done loading kernel
#imgstat
#echo booting ...
boot
```

```
[19:33] diamond:~% wget http://[2a0a:e5c0:2:1::6]/
[19:33] diamond:~% cat ipxescrpt
[19:33] diamond:~% wget http://[2a0a:e5c0:2:1::6]/kernel
--2019-11-30 19:33:43-- http://[2a0a:e5c0:2:1::6]/kernel
Connecting to [2a0a:e5c0:2:1::6]:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 4208416 (4.0M) [application/octet-stream]
Saving to: 'kernel'
```

```
kernel            100%[=====>]          4.01M  4.72MB/s   in 0.9s
```

```
2019-11-30 19:33:44 (4.72 MB/s) - 'kernel' saved [4208416/4208416]
```

```
[19:33] diamond:~% wget http://[2a0a:e5c0:2:1::6]/initramfs.igz
--2019-11-30 19:33:48-- http://[2a0a:e5c0:2:1::6]/initramfs.igz
```

Connecting to [2a0a:e5c0:2:1::6]:80... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 403195171 (385M) [application/octet-stream]  
Saving to: 'initramfs.igz'

```
initramfs.igz          3%[>                ] 13.21M  5.86MB/s  
^C  
[19:33] diamond:~%
```

**#2 - 11/30/2019 07:33 PM - Nico Schottelius**

- *Description updated*

**#3 - 10/06/2020 01:36 PM - Samuel Hailu**

- *Status changed from New to Closed*