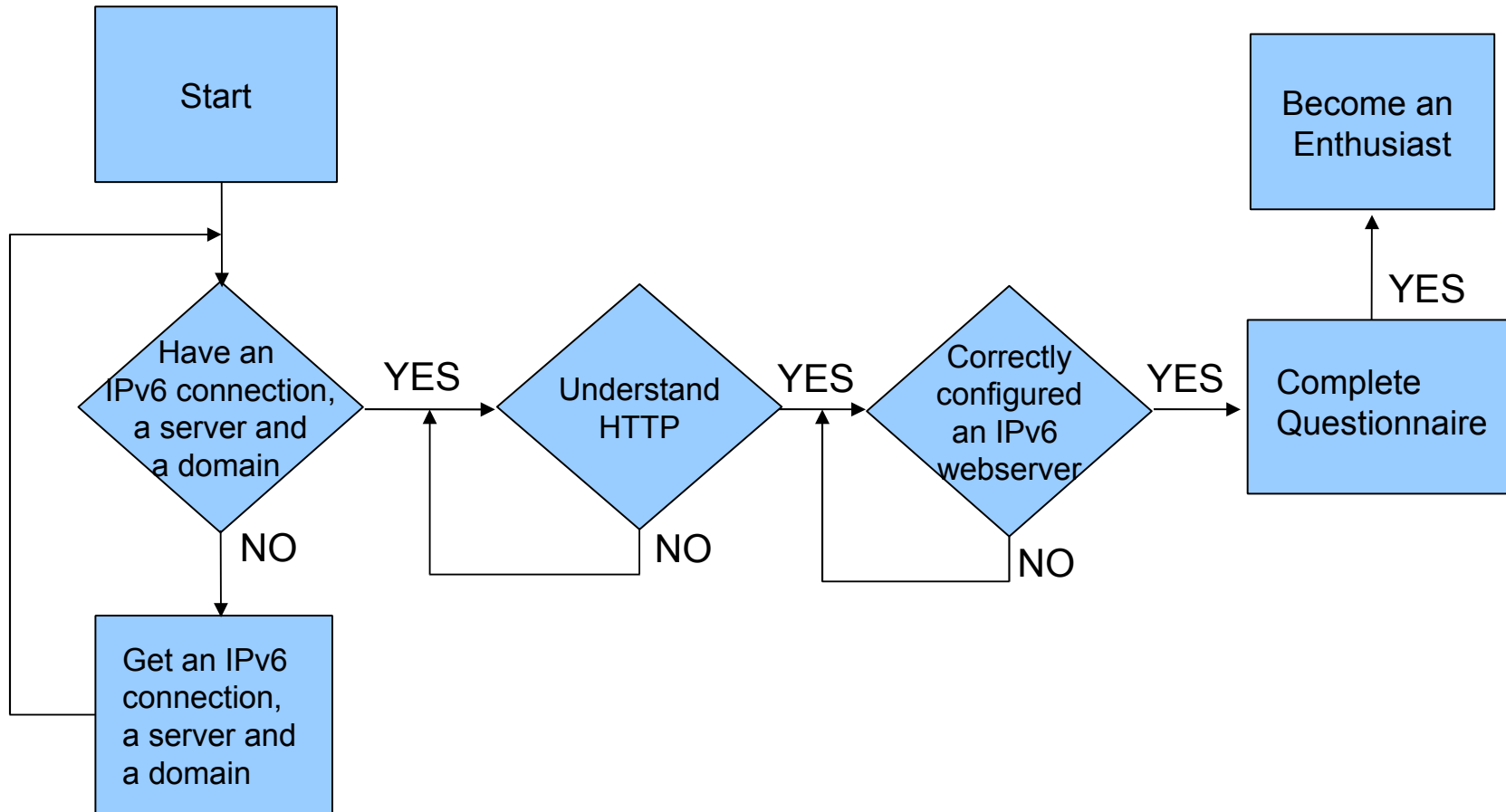

IPv6 Certification Program General Tutorial Session

Level - Enthusiast

FLOW CHART



Key Concepts

- HTTP – Hypertext Transfer Protocol
Request/Response standard
- FQDN – Fully Qualified Domain Name
- Port 80 – Web server listens to Port 80
- Apache – Type of webserver
(other examples: nginx, lighttpd, IIS)
- Example of Apache Listen Directive

Standard HTTP port:

```
Listen [::]:80
```



Test Overview

- Enthusiast Test checks whether you have an IPv6 enabled web server
- In order to pass the level, we must be able to fetch a randomly named text file from your server.



Enthusiast Test Page

mtennetworks	[1,400]
mhwarfield	[1,400]
klamtest	[1,400]
sworseybuck	[1,400]
kristiankrohn	[1,393]
brianewell	[1,335]
jhaprins	[1,186]
strehi	[1,160]
kiklhorn	[1,149]

Latest 10 Certs

ffej	[Exp]
RajSony	[Newb]
datux6	[Newb]
lxndmch	[Newb]
certTutor	[Exp]
tojoe	[Admn]
alabitoperiliwan	[Newb]
taugeer	[Newb]
boutaleb	[Newb]
oluboss	[Newb]

Enthusiast

Congratulations, NeWb! Let's get you on to being an Enthusiast as quick as possible. Let's certify that you have the basics of IPv6 setup. To complete this test you will need:

- An IPv6 capable desktop
- An IPv6 capable website/webserver
- **The Domain you provide below will be used in future DNS tests.**

[\[Reset Test\]](#)

Help	Step	Description	Data
[i]	[1]	Generate a User Code	Get a User Code
[i]	[2]	Tell us what your IPv6 website is; FQDN please	http:// <input type="text"/> /
[i]	[3]	We will test grabbing the file:	<input type="button" value="Create URL"/>
[i]	[4]	Schedule the test:	<input type="button" value="Test It!"/>

v4 Addresses

450,796,472 ↓

v4 /8s Left

11% (30/256)

v6 Networks

4% (1,522/32,076)

v6 Ready TLDs

78% (220/280)

v6 Glue

1,237

v6 Domains

1,486,720 ↑

701

Days remaining

HURRICANE ELECTRIC
INTERNET SERVICES

Enthusiast Test Page

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[Review Blogs](#)
[Trace for more points!](#)
[DIG AAAA for more points!](#)
[DIG PTR for more points!](#)
[Ping6 for more points!](#)
[IPv6 Whois for more points!](#)
[Logout](#)

Additional Tests

[Enthusiast Questionnaire](#)
[Enthusiast Technical Test](#)

Top 10 Certs

sworseybuck	[1,400]
klamtest	[1,400]
kristiankrohn	[1,400]
prye	[1,400]
kriteknetworks	[1,400]
mhwarfield	[1,400]
brianewell	[1,337]
strehi	[1,230]
bmork	[1,192]
iharrine	[1,188]

Enthusiast Questionnaire

Congratulations you have completed the test: **Enthusiast Questionnaire**

Your score was 5 OF 5.

Click [Here](#) to return to the main page.

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[Route Server \(telnet\)](#)
[Global IPv6 Report](#)
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[Transit](#)
[Colocation](#)
[Dedicated Servers](#)

v4 Exhaustion



Troubleshoot Method

- Use telnet command to see whether port 80 for IPv6 is opened or not

```
:~$ telnet $IPv6_address 80
```





Contact:

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