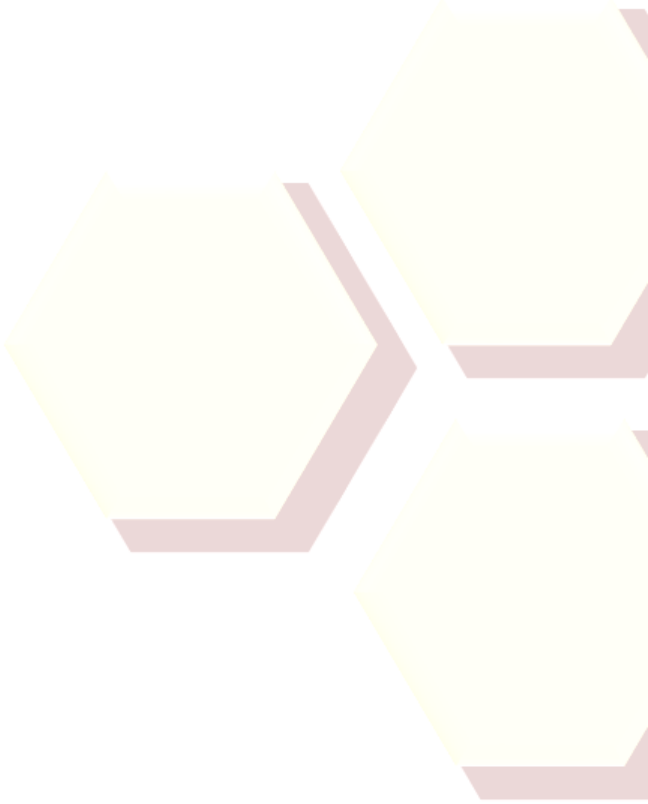


DEVELOPMENT OF IPV4IPV6REACHABILITY GUI

SCREEN SHOTS OF THE GUI

SCREEN SHOTS OF IPV4IPV6REACHABILITY MAIN FORM



240507

The screenshot displays a software interface with a 'Reachability testing' window and a 'Create/Edit Chunk Action .h and .cpp files' dialog box.

Reachability testing window:

- Buttons: Microsoft, Hiveware
- Fields: Ipv4 address, Ipv6 address, Ipv4 port, Ipv6 port
- Section: New end point nair
- Buttons: Connect code, Target listener end points, End point testers
- Message: This is a caption bar where a message can be presented to the Ipv4Ipv6Reachabil... Ipv4Ipv6Reachability options...
- Buttons: my in out, res<->res, res<->url, res<->res, res<->url
- Table:

Target ip address	P	T
201.148.87.242	F	5
e9:c6bb:7211:0:...		5

Create/Edit Chunk Action .h and .cpp files dialog box:

- Section: Hive solution and project complexity-reducing .cpp and .h file generation
- Section: Create/Edit Chunk Action .h and .cpp files
- Text: Each Hiveware program defines all the actions it needs to do the work the program was designed to do. The identifiers created here are the keys to these actions. There is one set of actions for each major program task.
- Project name: Ipv4Ipv6Reachability
- Design action name: ChunkAction
- Precompiled header ID: DECLSPEC_HIVEWAREAPP
- Sender/Receiver actions (enums):
 - RETRIEVE_ANCESTORMYPEOPLE_PUBLICKEY
 - MYPEOPLE_LISTENING_ENDPOINT
 - MYPEOPLE_PUBLICKEY
 - STORE_PARSE_MYFAMILY_GRAMMAR
- Section: Chunk action description
- Buttons: Done, Cancel, Apply

231208

Reachability testing tracet Statistics

Microsoft Ipv4 address [] Ipv6 address []
 Hiveware Ipv4 port [] Ipv6 port []

Connect code Source listener end points

This is a caption bar where a message can be presented to the Ipv4Ipv6Reachability user. Ipv4Ipv6Reachability options...

my in out res<->res res<->url res<->res res<->url

State	Target ip address	P F	Target port		Inbound test	Outbound test	Destination ISP	Destination OS	Destination CPE
A	201.148.87.242	☒	53199	☑			Cox, Commun...	Windows 11	
A				☑					
AA...	e9:c6bb:7211:0:f...	☐	57833	☑					

Ipv4Ipv6Reachability logging output

Secure logs are encrypted in transit.
Public narrative logs help the user learn more about what is happening. They are clear text in transit.
Error logs indicate a problem in the software and are (re)directable to the author team of the code.

Secure log Public narrative log ERROR log

Ipv4Ipv6Reachability Pane 1 Ipv4Ipv6Reachability Pane 2

231122

The screenshot displays the Ipv4Ipv6Reachability application interface. At the top, there are tabs for "Reachability testing", "tracert", and "Statistics". Below these are input fields for "Microsoft" and "Hiveware" services, with sub-fields for "Ipv4 address", "Ipv6 address", "Ipv4 port", and "Ipv6 port". A "Connect code" field and a "Source listener end points" button are also present.

A yellow message bar states: "This is a caption bar where a message can be presented to the Ipv4Ipv6Reachability user. Ipv4Ipv6Reachability options...".

Below the message bar is a navigation bar with buttons: "my in out", "res<->res", "res<->url", "res<->res", and "res<->url".

The main area contains a table with the following data:

State	Target ip address	P F	Target port		Inbound test	Outbound test	Destination ISP	Destination OS	Destination CPE
*	201.148.87.242	<input checked="" type="checkbox"/>	53199	Windows			Cox, Commun...	Windows 11	
*				Hiveware					
AA...	e9:c6bb:7211:0:f...	<input type="checkbox"/>	57833	Hiveware					

Below the table is a "Logging output" section with tabs for "Secure log", "Public narrative log", and "ERROR log". The status bar at the bottom shows "Ipv4Ipv6Reachability Pane 1" and "Ipv4Ipv6Reachability Pane 2".