



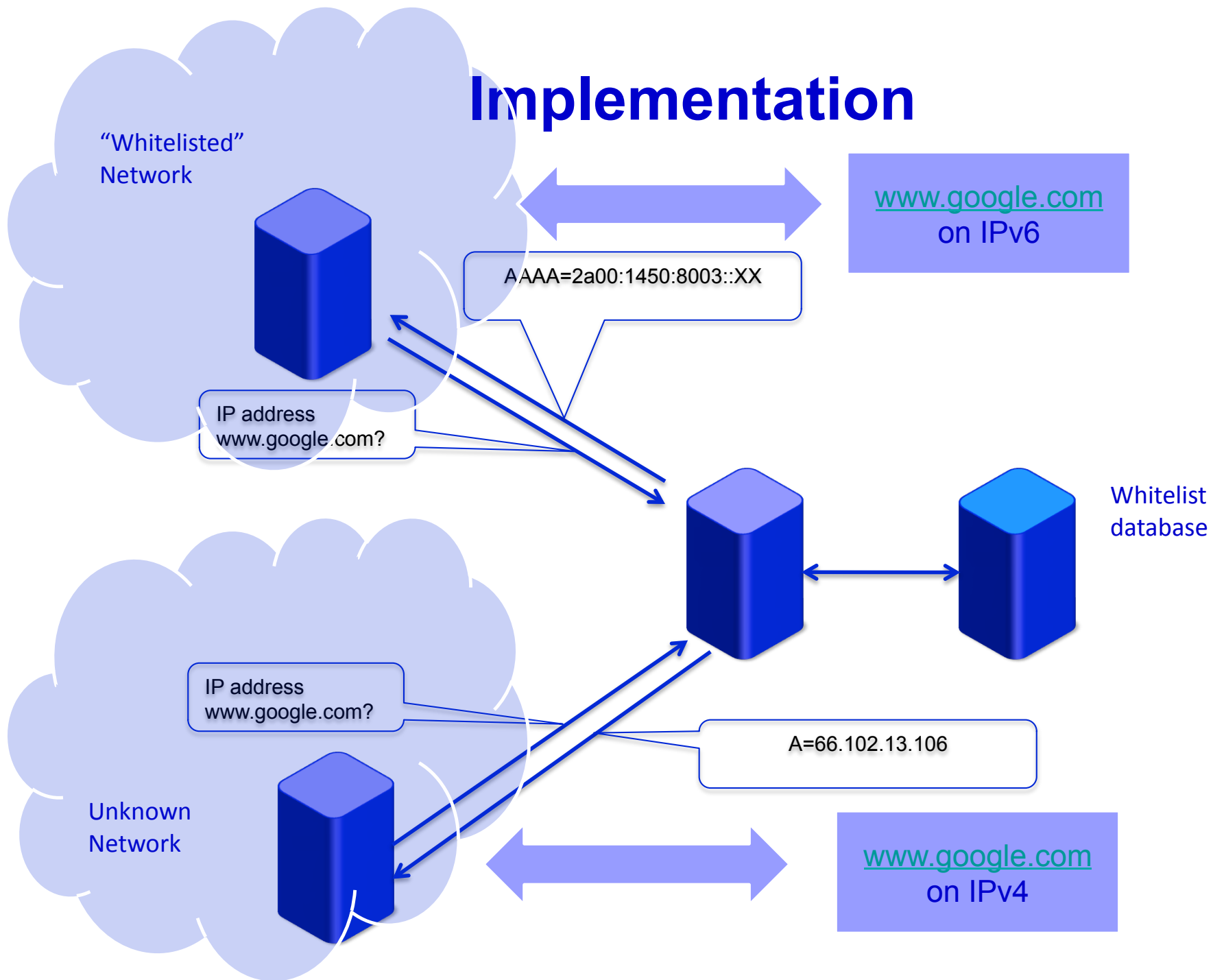
IPv6 Broker Database

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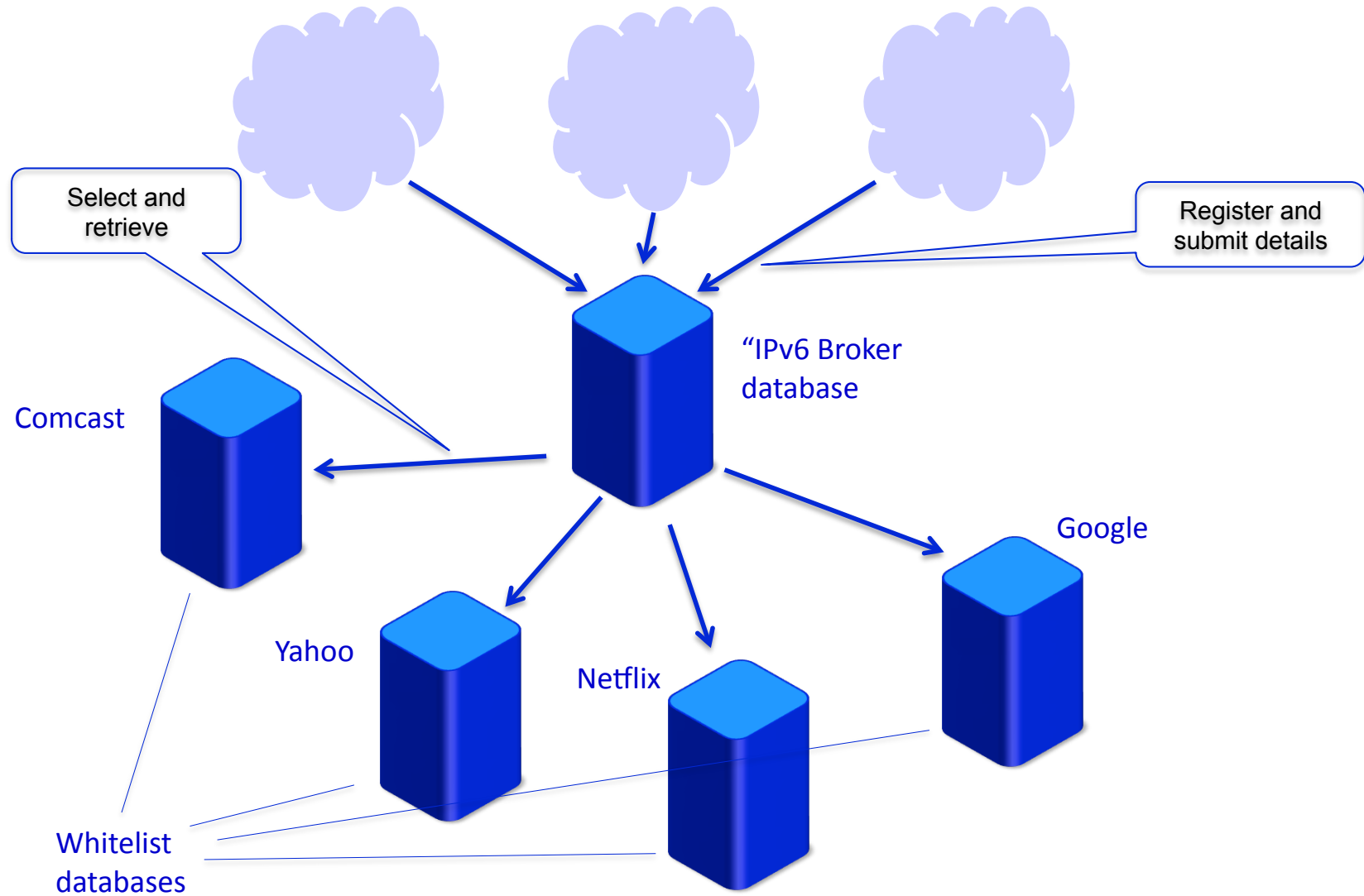
Background

- More networks are becoming IPv6 enabled
 - Some implementations are broken and may be hard to detect
 - Looking for content
- More Content Providers have content on IPv6
 - Concerned about suboptimal performance as compared to IPv4
 - Don't want to offer poor service to end users
- Google are using whitelisting to provide access
 - Network operator certifies mature deployment
 - Commits to fix any detected issues

Implementation



IPv6 Broker Database



Why are we interested?

- Within our mission of a NCC
 - Provide neutral and impartial coordination services
- Allows incremental deployment
 - Gradually improves confidence
- Social and publicity element
 - Public list of ISPs that claim their IPv6 maturity
 - Public list of content providers that support IPv6
- We can offer simple checks and tools
 - Check and compare connectivity (IP4/IPv6)
 - Diagnostics
 - Statistics



Roll-out

- Phase 1
 - Proof of concept
 - NCC is the sole end user of Google resources
- Phase 2
 - Additional content providers
- Phase 3
 - Invite existing Google whitelist members to join
- Phase 4
 - Open to other network operators



Proof of concept

The screenshot shows a web browser window titled "RIPE NCC IPv6 networks database" with the URL "http://ipv6netdb.ripe.net/". The page features the title "IPv6 networksdb" in large blue and pink letters, with a yellow starburst containing the word "BETA" to its right. The RIPE NCC logo is in the top right corner. On the left, there is a navigation menu with links: Home, Documentation, IPv6 content providers, IPv6 networks XML, Change password, and Log out. Below the menu, contact information is provided: "Contact, for questions and adding/changing data: ris@ripe.net". The main content area starts with "Hello!" followed by the text: "This is the RIPE NCC IPv6 networks database. Access to this database is restricted to certain IPv6 content providers. This database currently contains two things:" and a bulleted list: "IPv6-capable networks, that have a production-grade IPv6 setup, available in [XML format](#)" and "IPv6-capable content providers, that have services that can be opened to IPv6-capable networks, [available on the website](#)".

- <http://ipv6netdb.ripe.net/> un: ipv6 pw: ipv6

Questions?

