



Path Validation and Discovery... *Simplified*

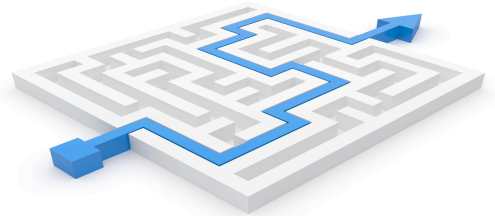
Tired of not being able to easily use Certificates for client authentication?

Why not use one easy tool that does it all for you?

Pathfinder™ ... *does the PKI path validation for you, for multiple applications.*

What it is

In the world of Public Key Infrastructures (PKI), certificate trust chains can be a complex labyrinth to navigate through. Carillon's **Pathfinder™** is a Path Validation and Discovery (PDVal) tool that employs a technique for ensuring that PKI certificates are valid for Unix based platforms. By taking a centralized approach (a single instance of Pathfinder can do PDVal for multiple, different applications), it increases performance, scalability, and above all the security of the systems, by ensuring a consistent application of the security rules that are set for the evaluation of X.509 Certificates.

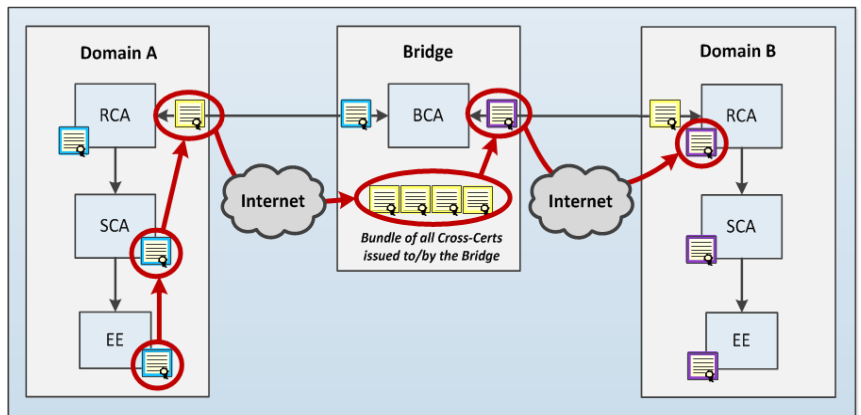


What it does

Pathfinder™ provides a mechanism for any program to perform RFC5280-compliant path validation of X.509 certificates, even when some of the intermediate certificates are not present on the local machine. It allows automatic download of any such certificates, fetching of revocation information through CRL or OCSP from the Internet as needed, using the AIA and CRL distribution point extensions of the certificates it is processing. It provides powerful certificate validation that examines the certificate chain, the CRL, AIA, (HTTP and OCSP fields) and (if specified in the configuration) Certificate Policy, to determine whether a certificate is valid.

How it works

Carillon's **Pathfinder™** automatically fills in the blanks in a X.509 certificate chain by following links in existing certificates. It is capable of handling complex trust paths found in cross-certified PKI environments such as the CertiPath and US Government Federal bridges.



Client Software Support



Pathfinder™ runs on Linux and Solaris based platforms. Patches and utilities have been developed for several common open-source packages that use certificates to enable them to use **Pathfinder™** in place of their less capable client certificate validation systems.

- **Apache 2.2.8** web server, to use Pathfinder for client certificate validation.
- **FreeRADIUS 2.0.1** authentication server, to use Pathfinder for client certificate validation for instance, when using certificates for identification of valid 802.1x WPA-TTLS users.
- **OpenLDAP 2.3.43 and 2.4.16** directory server, to use Pathfinder for client certificate validation.
- **Stunnel 4.23** universal SSL wrapper, to use Pathfinder for validation of the remote party's certificate.
- **xmlsec 1.2.12** XML Security Library, to use Pathfinder for validation of certificates when verifying a digitally signed XML structure.

- ✓ *Enhances Functionality within Several Platforms & Applications.*
- ✓ *Fast, Efficient & Accurate Certificate Validation.*
- ✓ *Easy Set-Up & Configuration.*
- ✓ *RFC 5280 Certificate Discovery & Validation Done Right.*

about **Carillon**
INFORMATION SECURITY

Carillon Information Security Inc. is a full service Public Key Infrastructure (PKI) and Federated Identity service firm. From consulting, to Managed Service, to tools to make PKI easier to use, we offer a dedicated and knowledgeable team. Our main customers are major entities in the aerospace and civil air transport industries, service providers to large government agencies, and public utilities.

As the only company in the CertiPath cross-certification family whose main activity is managing PKI solutions, consulting on PKI implementations, Carillon is the leader in the field of cross-certified PKI implementation. With solutions ranging from PIV-I to ATA Spec42 compliant PKI, to simple and quick-to-deploy PIV-C / CIV, Carillon's highly experienced and proficient PKI team can help customers explore the benefits of PKI in its many flavors, and guide them through a completely successful and rapid PKI project deployment.

Contact Us Today for more details!

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