

Path Discovery & Validation (PD-VAL) Working Group

Minutes of the 11 August 2005 Meeting

NIST North, Gaithersburg MD, Room 618

A. AGENDA

- 1) Welcome & Opening Remarks / Introductions
- 2) Overview of Vendor Test Results
- 3) Approach to Test Tool-Kits & Applications
- 4) PD-VAL Tiers 3 & 4
- 5) Federal Government Validation Demo SOW
- 6) Other Topics
- 7) Adjourn Meeting

B. ATTENDANCE LIST

Organization	Name	Email	Telephone
Department of Commerce (NIST) /PD-VAL Co-Chair	Cooper, David	david.cooper@nist.gov	301-975-3194
Department of Defense	Hanko, Dave	djhanko@missi.ncsc.mil	Teleconference
Department of State (Mount Airey Group)	Russell, William	russellwc@mountaireygroup.net	571-344-1671
Department of Health & Human Services	Silverman, Mark	silvermm@mail.nih.gov	301-496-2317
GSA/OGP	Giles, April	april.giles@gsa.gov	Teleconference
FPKI OA Program Manager/PD-VAL Chair	Jenkins, Cheryl	cheryl.jenkins@gsa.gov	Teleconference
NFC	Sharp, Kathy	KATHY.SHARP@usda.gov	Teleconference
FICC support (F C Business Systems)	Petrick, Brant	brant.petrick@gsa.gov	202-208-4673
Secretariat (Enspier Technologies)	Fincher, Judy	Judith.fischer@enspier.com	703-299-3444
Bridge-2-Bridge WG (Enspier Technologies)	Simonetti, David	david.simonetti@enspier.com	Teleconference
FPKI OA (Mitretek)	Lins, Andrew	andrew.lins@mitretek.org	703-610-1786
Tumbleweed (vendor)	Ebbets, Steve		Teleconference
SRA	Ganta, Tin2	Tin2_ganta@sra.com	Teleconference
Orion ¹ (vendor)	Shorter, Scott	sshorter@orionsec.com	Teleconference

¹ Orion does not provide commercial products, but they have built GOTS products for the Federal government.

C. MEETING ACTIVITY

Agenda Item 1

Welcome & Opening Remarks / Introductions

Ms. Cheryl Jenkins

Ms. Cheryl Jenkins, FPKI OA Program Manager and PD-VAL Chair, called the meeting to order at 9:30 a.m. with attendee introductions.

Agenda Item 2

Overview of Vendor Test Results – Mr. David Cooper, NIST

The PD-VAL WG put out an RFI for COTS products that perform Path Discovery and Validation of certificates. There was a brief review of vendors who responded to the RFI, whose products are currently being tested in the e-Authentication Interoperability Lab:

Gemini Security Solutions, Inc.

Tumbleweed Communications

CoreStreet, Ltd.

Orion Security Solutions

Trust Enabler

Gemini's TrustEnabler product is a Web server plug-in that currently works with Netscape/iPlanet/Sun ONE servers of Web servers on Microsoft Windows, Linux, and other *NIX platforms. Plug-ins for Apache versions 1.3 and 2.0 and Microsoft's IIS could be developed if there is sufficient customer interest. Mr. Cooper reported there were CML test issues but that patches were developed and the product "passed all tests." It is now ready to be put on the approved products list and posted to the web. The cost for the product is nominal, \$4K for 1-2 production servers.

Tumbleweed

Tumbleweed discussed their initial test results with the PD-VAL Chair and Co-Chair and provided a patch to re-test requirements that were not satisfactory as meeting the Federal PKI PD-VAL functional requirements. Tumbleweed tested their patched version before submitting it to the E-Authentication Interoperability Lab and indicated that it passed all tests. However, the same results cannot be duplicated at the E-Authentication Interoperability Lab. As a result, Tumbleweed was invited into the Lab to assist with the installation and configuration, in hopes to yield the same results. It supports Microsoft Outlook 2000 and 2003 and is teaming with ORC to offer a hosted validation service.

ACTION: Mr. Steve Ebbets of Tumbleweed took an action to get a description of the services offered via ORC to the PD-VAL WG.

CoreStreet

At a meeting Monday, 8-8-05 there was agreement on the remaining testing issues and a patch will be ready 1 September 2005 at which point the product will be re-tested.

Orion

Orion has a web server plug-in that supports both Apache and Microsoft's IIS that's scheduled to be tested by the Interoperability Laboratory beginning on August 15.

During discussions, several agencies indicated that they were using either Apache or Microsoft's IIS rather than the Netscape/iPlanet/Sun ONE series of Web servers that are currently supported by TrustEnabler. The Department of State has agreed with OMB to use one of the E-Authentication Validation Solutions by 30 September 2005, e.g., TrustEnabler. The Department of State is on IIS, which is not supported by TrustEnabler.

ACTION: Mr. Brant Petrick will post TrustEnabler's Technical Synopsis and Pricing data to the web by next Tuesday.

Agenda Item 3

Approach to Test Tool-Kits & Applications – Mr. David Cooper, NIST

Initial product testing has been performed. Mr. Stephen Timchak, E-Authentication Program Executive, may provide funding to make these products work in your environments.

ACTION: Agencies were encouraged to provide information via the PD-VAL WG listserv on the type of web servers they are using and/or whether they have stovepipe applications that may need a tool kit.

Mr. William Russell of the Department of State (DoS) reported that the DoS would have one application integrated this fall [after September 30] and another one next year. The DTAS application uses PKI certs (ACES) and doesn't support path discovery and validation. DoS will use WebCullis from Orion.

Agenda Item 4

PD-VAL Tiers 3 & 4 – Mr. David Cooper, NIST

Mr. David Cooper reported that Tiers 1 & 2 have been out for a couple of months (test suite), but work has not yet started on Tier 3. Tier 2 looks like the existing FBCA environment. Tier 3 will represent a multi-bridge environment, where a few bridge CAs have cross-certified with each other and each bridge CA has cross-certified with one or more Principal CAs.

Ms. Jenkins stated that there will be a draft (Tier 3) by the end of the calendar year and that feedback from industry will be needed. Under Tier 3, bridges would cross-certify with the Federal Bridge Certification Authority. Bridge-to-Bridge (B2B) is "where the rubber hits the road," she stated.

Currently, the International Collaborative Identity Management (I-CIDM) Bridge-to-Bridge Working Group doesn't have a listserv, but may have one to support meeting activity in September. David Simonetti said that he would check the agenda of the upcoming Bridge-to-Bridge Working Group meeting and work with the Working Group former Chair, Debb Blanchard, to see if a Tier 3 discussion can be added.

Agenda Item 5

Federal Government Validation Demo SOW –Ms. Cheryl Jenkins, Ms. April Giles, GSA

Ms April Giles of the General Services Administration, Office of Government-wide Policy (OGP), who is leading this effort, addressed the meeting. The goal of this activity is to provide policy direction to the government regarding PD & VAL (Path Discovery and Validation). A Statement of Work (SOW) has been generated which will allow the OGP to select products from the E-Authentication Validation List to work in a bridge environment. OGP will evaluate local and hosted validation products. The OGP will stand up TrustEnabler, a local validation product. The SOW local validation task will help the E-Authentication Program Management Office with their validation solution. The end result will be three (3) deliverables: 1) white papers comparing two methodologies for validation; 2) three meetings to discuss findings with interested agencies; and 3) demos of products. She anticipates that this effort will be at least a six-month process.

Ms. Giles requested input from agencies on the products they plan to use. Contact her at 202-501-1123. Mr. David Hanko stated that Ms. Debbie Mitchell would contact her on behalf of the DoD.

Agenda Item 6

Other Topics

There were no other topics raised at the meeting.

Agenda Item 7

The meeting was adjourned at 10:30 a.m.