

Path Discovery & Validation (PD-Val) Working Group

Minutes of the 9 February 2006 Meeting

NIST North Building, West Diamond Avenue, Gaithersburg MD 20878/ Room 618

A. AGENDA

- 1) Welcome & Opening Remarks / Introductions
- 2) Validation Methodology & Criteria
- 3) Overview of Vendor Test Results & Vendor Residual Issues
- 4) Agency PD-Val Use
- 5) Vendors' Next Steps
- 6) Application Requirements Whiteboard
- 7) Other Topics
- 8) 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 State (Mount Airey Group) | Russell, William | russellwc@mountaireygroup.net | 571-334-1671 |
| FPKI OA Program Manager/PD-Val Chair | Jenkins, Cheryl | cheryl.jenkins@gsa.gov | 571-259-9923 |
| NFC/USDA | Goodwin, Linda | linda.goodwin@usda.gov | Teleconference |
| FPKI/FICC support (FC Business Systems) | Petrick, Brant | brant.petrick@gsa.gov | 202-208-4673 |
| Secretariat (Enspier Technologies) | Fincher, Judy | Judith.fischer@enspiero.com | 703-299-3444 |
| Bridge-2-Bridge WG (Enspier Technologies) | Simonetti, David | david.simonetti@enspiero.com | Teleconference |
| Enspier Technologies | Tevelow, Mickey | Mickey.tevelow@enspiero.com | 571-643-2941 |
| Tumbleweed (vendor) | Wyre, Jim | Jim.wyre@tumbleweed.com | 703-447-9662 |
| SRA | Ganta, Tin2 | Tin2_ganta@sra.com | Teleconference |
| Department of State | Edmonds, Deborah D. | EdmondsDD@state.gov | Teleconference |
| NIH/CIT | Silverman, Mark | mls@nih.gov | 301-496-2317 |
| DOE | Legere, Richard | Richard.legere@hq.doe.gov | 301-903-0464 |
| Orion (vendor) | Shorter, Scott | sshorter@orionsec.com | 703-917-0060 ext. 25 |
| CoreStreet, Ltd. (vendor) | Dulude, Bob | bob@corestreet.com | 781-710-0436 |
| CoreStreet, Ltd. (vendor) | Briley, Jr, James | jbriley@corestreet.com | 301.318.5096 |
| CoreStreet, Ltd. (vendor) Director Defense & Intelligence Programs | Townsend, Paul J. | ptownsend@corestreet.com | 301-908-0293 (Cell) 301-865-6360 (office) |

| Organization | Name | Email | Telephone |
|---------------------------|-------------------|--|----------------------------------|
| Entrust (vendor) | Gopal, Gautam | Gautam.gopal@entrust.com | Teleconference |
| Entrust (vendor) | Boeyen, Sharon | sharon.boeyen@entrust.com | Teleconference (613-270-3181) |
| DOS/SI | Gee, Tom | GeeTE@state.gov | Teleconference |
| DHS | Shomo, Larry | shomol@saic-dc.com | 202-261-9247 |
| DHS | Ambs, Matthew | ambsm@saic-dc.com | 202-261-9157 |
| DHS (Accenture) | Summers, Ryan | Ryan.a.summers@accenture.com | 703-947-2817 |
| DOJ | Young, Siegfried | Siegfried.young@usdoj.gov | Teleconference |
| NASA | Murakami, Kiku | kmurakami@mail.arc.nasa.gov | Teleconference |
| NASA | DeYoung, Tice | tdevyoung@hq.nasa.gov | Teleconference |
| US Treasury (HP) | Jackmon, Kenya | Kenya.jackmon@do.treas.gov | 202-622-2359 |
| US Treasury (Info Pro) | Malachowski, Paul | paul.malachowski@do.treas.gov | 202-622-1157 |
| Entrust (vendor) | MacPhee, Allan | allan.macphee@entrust.com | Teleconference |
| Wells Fargo | Koski, Ryan | koskira@wellsfargo.com | Teleconference |
| Wells Fargo | Pelton, Doug | peltond@wellsfargo.com | Teleconference (415-243-5573) |
| DoD | Hanko, Dave | djhanko@missi.ncsc.mil | Teleconference |
| Sun Microsystems (vendor) | Freedman, Richard | Richard.freedman@sun.com | Teleconference |
| | Myer, Matt | | Teleconference |

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

Validation Methodology & Criteria —Ms. Cheryl Jenkins

The Validation Methodology and Criteria document is currently under review and will be posted next week to the PD-Val web site. This document seeks to formalize the validation process. It is intended to be used by vendors as the process to be followed for any future testing.

Agenda Item 3

Overview of Vendor Test Results & Vendor Residual Issues—Mr. David Cooper, Ms. Cheryl Jenkins

The PD-Val WG put out an RFI for COTS products that perform Path Discovery and Validation of certificates according to federal requirements. A status update was provided on testing of these products that had been performed since the previous meeting. Updates were provided for products from:

- Tumbleweed Communications
- CoreStreet, Ltd.
- Orion Security Solutions
- Entrust

Mr. David Cooper, PD-Val Co-Chair, described the results of this testing.

Tumbleweed Communications

Mr. Cooper reported that testing has been completed. A synopsis of the test results have been posted at http://www.cio.gov/fbca/validation_solutions.htm.

Tumbleweed partners with Operational Research Consultants (ORC) to provide hosted validation services. Agencies should approach ORC (Mr. Dan Turissini) for more information and pricing. Mr. Turissini can be reached at turissd@orc.com or (703) 246-8550.

Tumbleweed and ORC are both on the GSA Schedule, according to Ms. Jenkins. ORC has the Tumbleweed product in its federally accredited facility. And ORC is also available under the BPA for ACES.

CoreStreet, Ltd.

Mr. Cooper reported that the client/server testing was performed and it was determined that CoreStreet's PKI Toolkit, when used in conjunction with their PathBuilder server, performs path discovery and validation successfully. CoreStreet offers a Microsoft Outlook plug-in and an SSL Gateway that use the PKI Toolkit to perform path discovery and validation, but these products have not yet been tested.

The CoreStreet technical synopsis will be posted to the PD-Val web site on Monday, February 13, 2006.

Ms. Jenkins noted that all vendor technical synopses are posted to the PD-Val web site and that vendors should review their own. The technical synopses can be found at: http://www.cio.gov/fbca/validation_solutions.htm

Note: CoreStreet partners with Cybertrust to provide hosted validation services. Agencies should approach CoreStreet (Mr. Bob Dulude) for more information and pricing.

Mr. Bob Dulude announced that CoreStreet offers a free toolkit for PKI-enabled applications. The toolkit has validation capabilities and is written in C and Java. It is royalty free, but you must sign a license agreement to use it. Contact Mr. Dulude, Mr. Jim Briley, or Mr. Paul Townsend for further information. Their contact information is in the attendee list of these minutes.

Orion

Mr. Cooper reported there have been no technical updates on Orion's Webcullis product since December 2005.

Mr. Scott Shorter reported that DoD has granted Orion permission to release Webcullis as a commercial product.

Ms. Jenkins received information from Dr. Santosh Chokhani about the licensing fees for the Webcullis product. The cost structure is:

- \$20k for an enterprise level license
- \$ 5k for a site license
- \$ 1k for a single copy license
- 15% annual fee for maintenance.

The licensing fees will be posted to the Webcullis.com web site and will include integration services and customization.

Entrust

TruePass underwent a second round of path validation testing in early January to address the issues reported at the last meeting. All tests passed successfully. TruePass has now successfully completed the PKITS path validation test suite. Planning is underway to test it against the Path Discovery test suite. This testing is expected to take place in the mid-March timeframe.

Agenda Item 4

Agency PD-Val Use—Ms. Cheryl Jenkins

Ms. Jenkins stated that the focus of the PD-Val Working Group will now shift to look at application requirements to map them to these solutions. If applications do not match, these requirements will be used to find other desktop and infrastructure solutions.

Report from DHS

Mr. Matthew Ambs reported that DHS is using the Entrust plug-in for Microsoft Outlook

Report from Treasury

Mr. David Simonetti had to leave the teleconference early, so was not able to make a presentation.

The Treasury Department is using Entrust's TruePass product to join the E-Authentication Federation. Completing this effort is contingent on the successful completion of the path discovery testing of TruePass.

Report from DOS

Mr. Tom Gee reported that the DOS is using Webcullis to join the E-Authentication Federation. He reported that Webcullis is RFC 3280 compliant and is easily installed.

DOS plans to PKI enable other applications and because of its decentralized nature, the DOS will use several different PD-Val products. The applications that are targeted for e-authentication will most

likely use Webcullis since they are web applications, he said. Mr. Bill Russell stated that only a “handful” of applications, not hundreds, will use Webcullis.

Mr. Tom Gee is working closely with Orion to integrate this product into their environment. As a part of the Webcullis integration, he is preparing a report for his own management on system and integration test issues. This information cannot be share with the PD-Val, unless so authorized by Mr. Bob Myers. His paper also addresses guidelines for commercial vendors.

Report from GSA

Ms. Jenkins reported that the Office of Management and Budget had identified 56,000 PKI applications, government-wide. Agencies had to report this information to OMB, along with the assurance level of the application as a part of the E-Authentication Initiative. She noted that all these applications went through the E-Authentication Risk Analysis (e-RA) or another risk analysis process. This report indicates that thousands of applications would be PKI-enabled this year.

Report from NASA

Dr. Tice DeYoung described NASA’s approach to authentication. There will be a single portal to do authentication, using SSO. There is no need to worry about enabling every application.

Agenda Item 5

Vendors’ Next Steps—Ms. Cheryl Jenkins

Ms. Jenkins was joined by Mr. Tim Polk of NIST, the co-chair of the Certificate Policy Working Group of the FPKI Policy Authority.

The April 10 session will be focused on FIPS 201 PKI implementation issues and the April 11 session will discuss leveraging the PKI that HSPD-12 requires. It is aimed at agency practitioners. There will be a nominal registration fee (\$85 per person) to attend the workshop. Vendor tables will be free, but each vendor will be required to register at least three people. Vendor tables will be in limited supply, so PD-Val vendors are encouraged to reserve a table early.

Contact Mr. Yuriy Dzambasow at yuriy@anassoc.com for a draft agenda and to share your concerns and questions. There will also be a web site with the agenda and registration information. The URL will be forwarded to the PD-Val list once the web site is available.

Agenda Item 6

Application Requirements Whiteboard

This discussion is postponed until after the PKI Implementation Workshop when we start hearing more from agencies.

Agenda Item 7

Other Topics

The next meeting, is tentatively scheduled for March 9, 2006 (the 2nd Thursday of the month), however Ms. Jenkins indicated that the March meeting maybe canceled.

Agenda Item 8

Adjourn Meeting

The meeting was adjourned at 11:50 a.m.

PD-Val Current Action Items

| No. | Action Statement | POC | Start Date | Target Date | Status |
|-----|--|----------------|----------------|----------------|--------|
| 002 | Contact Scott Shorter of Orion to get the Apache version of Webcullis into the interoperability lab. | Arthur Russell | Sept. 15, 2005 | Sept. 20, 2005 | Open |