REFERENCES

*"If I have been able to see further, it was only because I
stood on the shoulders of giants"*

Sir Isaac Newton

A

[ABLE]   ABLE, "The Active Bell Labs Engine" - http://www.cs.bell-labs.com/who/ABLE/

[ABone]   ABone testbed - http://www.isi.edu/abone/intro.html

[Aidarous97]   S. Aidarous and T. Pevyak (eds), "Telecommunications Network Management: Technologies and Implementations", IEEE Press, 1997.

[ALAN]   Application Layer Active Networking - http://dmir.it.uts.edu.au/projects/alan/

[Alexander98]   D. Scott Alexander, William A. Arbaugh, Michael W. Hicks, Pankaj Kakkar, Angelos D. Keromytis, Jonathan T. Moore, Carl A. Gunter, Scott M. Nettles, and Jonathan M. Smith "The SwitchWare Active Network Architecture", IEEE Network Special Issue on Active and Controllable Networks, vol. 12 no. 3, pp. 29 – 36, 1998. http://www.cis.upenn.edu/ /~switchware/papers/switchware.ps

[ANDROID]   Active Network Distributed Open Infrastructure Development (ANDROID) - http://www.cs.ucl.ac.uk/research/android/

[ANEP]   Alexander, D. S. et al. "Active Network Encapsulation Protocol (ANEP)". Draft RFC, Active Networks Group, July 1997

[anets]   Defense Advanced Research Projects Agency (DARPA), DARPA: Active Networks Program, http://www.darpa.mil/ito/research/anets/

B

[Bell]   Bell Communications Research Inc., "AIN Release 1 Service Logic Program Framework Generic Requirements", FA-NWT-001132

[Berson00]   Steven Berson, Bob Braden, and Livio Ricciulli, "Introduction To The ABone", June 2000. http://www.isi.edu/abone/DOCUMENTS/ABoneIntro.ps

[Biswas98]   Biswas, J., et al., "The IEEE P1520 Standards Initiative for Programmable Network Interfaces", IEEE Communications, Special Issue on Programmable Networks, Vol. 36, No 10, October, 1998. http://www.ieee-pin.org/

[Biswas00]   Biswas et al., "Proposal for IP L-interface Architecture", IEEE P1520.3, P1520/TS/IP013, 2000. http://www.ieee-pin.org/doc/draft_docs/IP/p1520tsip013.pdf

[Braden97]   R. Braden, L. Zhang, S. Berson, S. Herzog, S. Jamin, "Resource ReSerVation Protocol – Version 1. Functional Specification", IETF RCF 2205, September 1997.

[Brunner01]   M. Brunner, B. Plattner, R. Stadler, "Service Creation and Management in Active Telecom Environments", Communications of the ACM, March 2001

[Bush01]   Stephen F. Bush and Amit Kulkarni, "Active Networks and Active Network Management: A Proactive Management Framework." Kluwer Academic/Plenum Publishers, 2001, 196 pp. Hardbound, ISBN 0-306-46560-4

C

[Calvert98]   Calvert K. L., S. Bhattacharjee, E. Zegura and J. Sterbenz, "Directions in Active Networks", IEEE Communications Magazine, 1998. http://www.cc.gatech.edu/projects/ /CANEs/papers/Comm-Mag-98.pdf

[Calvert99]   Calvert K. L., "Architectural Framework for Active Networks", Draft version 1.0, July 27, 1999. http://protocols.netlab.uky.edu/~calvert/arch-latest.ps

[Case90]   J.Case et al., "A Simple Network Management Protocol (SNMP)", IETF RCF 1157, May 1990.

[CISCO2600]   CISCO 2600 Series Routers - http://www.cisco.com/warp/public/cc/pd/rt/2600/index.shtml

[CISCO7200]   CISCO 7200 Series Routers - http://www.cisco.com/warp/public/cc/pd/rt/7200/

D

[Damianou01]   N. Damianou, N. Dulay, E. Lupu, M Sloman, "The Ponder Specification Language", Workshop on Policies for Distributed Systems and Networks (Policy2001), HP Labs Bristol, 29-31 Jan 2001 - http://www.doc.ic.ac.uk/~mss/ /Papers/Ponder-Policy01V5.pdf

[Decasper98]   Decasper D. and Tschudin C. "Simple Active Packet Format (SAPF)". Draft RFC, Active Networks Group, August 1998.

[Decasper99]   Decasper, D., Parulkar, G., Choi, S., DeHart, J., Wolf, T., Plattner, B., "A Scalable, High Performance Active Network Node", IEEE Network, January/February 1999

[Dimopoulou03]   L. Dimopoulou, E. Nikolouzou, P. Sampatakos, I. S. Venieris, "QMTool: An XML-Based Management Platform for QoS-Aware IP Networks", IEEE Network, May/June 2003

[DMTF]   Distributed Management Task Force Inc., http://www.dmtf.org/

[DMTFCIM]   DMTF, Common Information Model Standards - http://www.dmtf.org/standards/standard_cim.php

[DMTFDEN]   DMTF, Directory Enabled Network (DEN), http://www.dmtf.org/standards/standard_den.php

[Durham00a]   D. Durham, J. Boyle, R. Cohen, S. Herzog, R. Rajan, A. Sastry, "The COPS (Common Open Policy Service) protocol" IETF RCF 2748, January 2000

[Durham00b]   D. Durham, J. Boyle, R. Cohen, S. Herzog, R. Rajan, A. Sastry, "COPS usage for RSVP" IETF RCF 2749, January 2000

E

[Eclipse]   The eclipse platform – http://www.eclipse.org

[EPSRC]   Engineering and Physical Sciences Research Council – http://www.epsrc.ac.uk

[Ethereal]   The ethereal network analyser – http://www.ethereal.com

[Eurescom]   Strategic Study in the Impact of Active Networks Eurescom http://www.eurescom.de/public/projects/P800-series/p844/default.asp

F

[FAIN]   "Future Active IP Networks (FAIN)" FAIN homepage http://www.ist-fain.org

[FAIN01]   FAIN Deliverable D1, "Requirements Analysis and Overall AN Architecture", FAIN, May 2001 – http://www.ist-fain.org

[FAIN03a]   FAIN Deliverable D40, "FAIN Demonstrators", FAIN, May 2003 – http://www.ist-fain.org

[FAIN03b]   Tsarouchis C., Kitahara C., Denazis S., Julio Vivero J., et.al , "Policy-Based Management Architecture for Active and Programmable Networks", IEEE Network, May 2003, Vol.17, No.3

[FAIN03c]   FAIN Deliverable D8, "Final Specification of Case Study Systems", FAIN, May 2003 – http://www.ist-fain.org

[FAIN03d]   FAIN Deliverable D7, "Final Active Node Architecture and Design", FAIN, May 2003 – http://www.ist-fain.org

[FIPA]   Foundation for Intelligent Physical Agents - FIPA http://www.fipa.org

[FIPAa]   FIPA Architecture Technical Committee FIPA http://www.fipa.org/activities/architecture.html

[Fonseca01]   M. Fonseca, N. Agoulmine, O. Cherkaoui, "Active Networks as a Flexible Approach to deploy QoS Policy Based Management", HP Openview University Association 8th Annual Workshop, HP-OVUA, Berlin, Germany, June 24 – 27, 2001, http://citeseer.nj.nec.com/483138.html

[Fry99]   Michael Fry and Atanu Ghosh, "Application Level Active Networking", Computer Networks, 31 (7) (1999) pp. 655-667

G

[Galtier01]   V. Galtier, K. Mills, Y. Carlinet, S. Bush, A. Kulkarni. "Prediction and controlling resource usage in a heterogeneous Active Network", MILCOM 2001, October 2001

[Goldszmidt95] Goldszmidt, G., Yemini, Y., "Distributed management by delegation", 15th International Conference on Distributed Computing Systems, Vancouver, June 1995

[Greenwood99] Greenwood, D., Gavalas, D., "Using active processes as the basis for an integrated distributed network management architecture", 1st International Working Conference on Active Networks (IWAN '99), Berlin, June 1999

H

[Haas01]   R. Haas, P. Droz, B. Stiller, "Distributed Service Deployment over Programmable Networks", in DSOM 2001, Nancy, France, 2001.

[Halabi01]   S. Halabi. "Internet Routing Architectures", 2nd Edition, Cisco Press, 2001

[Hood97]   Hood, C. S., Ji, C. "ProActive Network fault detection", INFOCOM '97, Kobe, April 1997

I

[IETF]   Internet Engineering Task Force, http://www.ietf.org

[IETFForces]   IETF ForCES, http://www.ietf.org/html.charters/forces-charter.html

[IETFForces02]   IETF ForCES, "draft-ietf-forces-framework-04.txt", December 2002, http://www.ietf.org/internet-drafts/draft-ietf-forces-framework-04.txt

[IETFPol]   IETF Policy Framework group, http://www.ietf.org/html.charters/policy-charter.html

[IETFRAP]   IETF Resource Allocation Protocol group, http://www.ietf.org/html.charters/rapcharter.html

[IETFSNMPConfa]   Configuration Management with SNMP workgroup (snmpconf) IETF http://www.ietf.org/html.charters/snmpconf-charter.html

[IETFSNMPConfb]   Configuration Management with SNMP workgroup, "Policy based Management MIB", IETF, Internet draft, http://www.ietf.org/internet-drafts/draft-ietf-snmpconf-pm-09.txt

[IFIPa]   Smart Networks working group – International Federation for Information Processing IFIP http://www.ifip.tu-graz.ac.at/TC6/WGS/index.html

[IFIPb]   Management of Network and Distributed Systems working group – International Federation for Information Processing IFIP http://www.ifip.tu-graz.ac.at/TC6/WGS/index.html

[Iona01]   "White Paper Orbix 2000 Notification. A CORBA-Based Notification Service" IONA Technologies PLC, August 2001

[IPHighway]   IP Highway, Inc "Policy standards and IETF terminology", http://www.stardust.com/policy/index.htm

[IST]   Information Society Technologies Program Information Society DG http://www.cordis.lu/ist/

[ITU91]   International Telecommunication Union – Telecommunication Standardisation Sector (ITU-T), "B-ISDN Protocol reference model and its application", ITU-T Recommendation I.321, 1991

[ITU92]   International Telecommunication Union – Telecommunication Standardisation Sector (ITU-T), "Principles of intelligent network architecture", ITU-T Recommendation Q.1201, 1992

[ITU97]   International Telecommunication Union – Telecommunication Standardisation Sector (ITU-T), Information Technology – Open Systems Interconnection –

Common Management Information Protocol: Specification, Recommendation X.711, October 1997

[ITU00] International Telecommunication Union – Telecommunication Standardisation Sector (ITU-T), TMN management functions, Recommendation M.3400, February 2000.

[ITU00b] International Telecommunication Union – Telecommunication Standardisation Sector (ITU-T), Principles for a telecommunications Management Network, Recommendation M.3010, February 2000.

J

[Jackson00] Alden W. Jackson, James P.G. Sterbenz, Matthew N. Condell, Joel Levin, David J. Waitzman, "The SENCOMM Architecture", Technical Report, BBN Technologies, 26 April 2000. http://www.ir.bbn.com/projects/sencomm/ /doc/architecture.ps

[Jasmin] The Jasmin Project - http://www.ibr.cs.tu-bs.de/projects/jasmin/policy.html

K

[Kanada02] Y. Kanada, "Dynamically extensible policy server and agent", Policies for Distributed Systems and Networks, 2002. Proceedings, pages 236-239

[Karayannis02] F.Karayannis et al., "Management vs. control plane approaches for the integration of IP and WDM", NOMS'02, April 2002.

[Kato00] K. Kato, S. Shiba, "Designing Policy Networking System Using Active Networks", Second International Working Conference on Active Networks (IWAN'2000), Tokyo, Japan, October 2000, Springer-Verlag LNCS, Yasuda (ed.).

[Kawamura00] Kawamura, R., Stadler, R., "Active distributed management for IP networks", IEEE Communications Magazine, pp. 114-120, April 2000

[Khosravi03] Khosravi, H., and T. Anderson (eds.), "Requirements for Separation of IP Control and Forwarding", January 2003, http://www.ietf.org/internet-drafts/draft-ietf-forces-requirements-08.txt

[Kornblum00] J. Kornblum, D. Raz and Y. Shavitt. "The active process interaction with its environment". IWAN 2000, October 2000

M

[MANBoP]   MANBoP, "Management of Active Networks Based on Policies", http://nmg.upc.es/MANBoP/

[MGEN]   The Multi-Generator Toolset – http://manimac.itd.nrl.navy.mil/MGEN

[Moore01]   B. Moore et al., "Policy Core Information Model – Version 1 Specification", IETF RFC 3060, Feb.2001

[Moore03]   B. Moore, "Policy Core Information Model (PCIM) Extensions", RCF3460, January 2003

[Moore03b]   B. Moore, D. Durham, J. Strassner, A. Westerinen, W. Weiss, "Information Model for Describing Network Device QoS Datapath Mechanisms", IETF, Internet Draft, May 2003

O

[OMG]   Object Management Group, www.omg.org

[OMG01]   Object Management Group, "Unified Modelling Language (UML), version 1.4, UML Summary", OMG document, September 2001

[OMG01b]   Object Management Group, "Event Service Specification. Version 1.1", OMG document formal/01-03-01, March 2001.

[OMG02]   Object Management Group, "CORBA 3.0.2 Specification, CORBA Overview", OMG document formal/02-06-38, June 2002.

[OMG02b]   Object Management Group, "Notification Service specification. Version 1.0.1", OMG document formal/02-08-04, August 2002.

[OMG02c]   Object Management Group, "IDL-to-JAVA Language Mapping. Version 1.2", OMG document formal/02-08-05, August 2002.

[Open]   The Open Group. "Inter-Domain Management: Specification Translation & Interaction Translation". Technical Standard C802, January 2000

[Opensig]   Open Signalling Working Group, http://www.comet.columbia.edu/opensig/.

[OpenORB]   The Community OpenORB Project - http://openorb.sourceforge.net/

P

[P1520]   IEEE P1520.2, "Standard for Application Programming Interfaces for ATM Networks", Draft 2.2 - http://www.ieee-pin.org/pin-atm/intro.html

[Peterson01]   Larry Peterson, "Node OS Interface Specification", AN Node OS Working Group, November 30, 2001. http://www.cs.princeton.edu/nsg/papers/nodeos-02.ps

[Polynet]   Polynet, "PolyNet: Policy Based Management of Adaptive Networks" - http://www.doc.ic.ac.uk/~mss/polynet.html

[Prnjat02]   O. Prnjat, I. Liabotis, T. Olukemi, L. Sacks, M. Fisher, P. McKee, K. Carlberg, G. Martinez, "Policy-based Management for ALAN-Enabled Networks", IEEE 3rd International Workshop on Policies for Distributed Systems and Networks - Policy 2002, Monterey, CA, USA, June 2002

[Profiler]   The eclipse profiler plugin - http://eclipsecolorer.sourceforge.net/

S

[Schwartz99]   B. Schwartz, A.W. Jackson, W.T. Strayer, W. Zhou, D. Rockwell and C. Partridge "Smart Packets for Active Networks", OpenArch '99, March 1999.

[SENCOMM]   SENCOMM, "Smart Environment for Network Control, Monitoring and Management", - http://www.ir.bbn.com/projects/sencomm/sencomm-index.html

[Seraphim]   Seraphim Project homepage, "Seraphim: Building Dynamic Interoperable Security Architecture For Active Networks", http://choices.cs.uiuc.edu/Security/seraphim/

[Sloman94]   Sloman, M. (ed.), "Network and distributed systems management", Addison-Wesley, 1994

[Sloman99]   M. Sloman, and E. Lupu, "Policy Specification for Programmable Networks", International Working Conference on Active Networks (IWAN'99), Berlin, Germany, June-July 1999, Springer-Verlag LNCS, Stefan Covaci (ed.).

[Snir03]   Y. Snir, Y. Ramberg, J. Strassner, R. Cohen, B. Moore, "Policy QoS Information Model", IETF, Internet Draft, May 2003

[Sugauchi99]   Sugauchi, K., Miyazaki, S., Covaci, S., Zhang, T., "Efficiency evaluation of mobile agent–based network management system", p. 527, LNCS, April 1999

[SunJAVAa]   Javadoc   Tool   Homepage   -
                  http://java.sun.com/j2se/javadoc/

[SunJAVAb]   JAVA   1.4.1   documentation   -
                  http://java.sun.com/j2se/1.4.1/docs/api/

[SunJAVAc]   Code Conventions for the JAVA Programming Language -
                  http://java.sun.com/docs/codeconv/index.html

[SunJAVAd]   The   Java   Media   Framework   API   -
                  http://java.sun.com/products/java-media/jmf/

[SunJAVAe]   Java   Remote   Method   Invocation   -
                  http://java.sun.com/products/jdk/rmi/

[SunMSV]   Sun Multi-Schema XML Validator - http://wwws.sun.com/
                  /software/xml/developers/multischema/

T

[T101]   Standards Committe T1 Telecommunications, Telecom
                  Glossary 2000, American National Standard T1.523-2001,
                  February 2001.

[tcdump]   The   tcpdump   project   –
                  http://sourceforge.net/projects/tcpdump/

V

[Verma00]   Dinesh C. Verma "Policy-based Networking" New Riders,
                  Technology Series, November 2000

[Vicente00]   Vicente, J., M. Kounavis, D. Villela, M. Lerner, and A.
                  Campbell, "Programming Internet Quality of Service", 3rd
                  IFIP/GI International Conference of Trends towards a
                  Universal Service Market, Munich, Germany, September 12-
                  14, 2000. http://comet.ctr.columbia.edu/~campbell/papers
                  /usm00.pdf

W

[W3C00]   W3C, "Extensible Markup Language (XML) 1.0 (Second
                  Edition)", W3C Recommendation, 6 October 2000.

[W3C03]   W3C, "SOAP Version 1.2 Part 0: Primer", W3C
                  Recommendation, 24 June 2003

[W3Ctools]   W3C   Architecture   domain   –   Tools-
                  www.w3.org/XML/Schema#resources

[Weisstein]   Eric   Weisstein's   World   of   Mathematics   –
                  http://mathworld.worlfram.com

[Westerinen01]   Westerinen, Schnizlein, Strassner, Scherling, Quinn, Herzog, Huynh, Carlson, Perry, Waldbusser "Terminology for Policy-based Management" RCF 3198 IETF, November 2001

[Wetherall98]   Wetherall, D., et al., "ANTS: A Toolkit for Building and Dynamically Deploying Network Protocols", In Proceedings of IEEE OPENARCH'98, April 1998

[winpcap]   WinPcap: the Free Packet Capture Architecture for Windows - http://winpcap.polito.it/

X

[XMLRPC]   XML-RPC, "XML-RPC specification", June 2003 - http://www.xmlrpc.com/spec

Y

[Yang03]   Yang, L., J. Halpern, R. Gopal, R. Dantu, "ForCES Forwarding Element Functional Model", March 2003.