

参考文献

- [1] Jun Murai, Mario Tokoro, and Fumio Teraoka. Keio S&Tnet: A Unix Campus Network. In *Proc. of the 8th Conference on Local Computer Network*. IEEE, 1983.
- [2] Jun Murai and Akira Kato. Researches in network development of junet. In *Proceedings of SIGCOMM '87 Workshop*, 1987.
- [3] Jun Murai and Akira Kato. Current Status of JUNET. In *Future Generations Computer Systems*, pp. 205–215. Elsevier Science Publishers B.V., October 1988.
- [4] Jun Murai, Akira Kato, Hiroyuki Kusumoto, Suguru Yamaguchi and Tomomitsu Sato. Construction of the Widely Integrated Distributed Environment. In *Proceedings of TENCON '89*, Nov 1989.
- [5] Douglas E. Comer. *Internetworking With TCP/IP, Principles, Protocols, and Architecture*. Prince-Hall, 1988.
- [6] WIDE プロジェクト. 1989 年度 wide プロジェクト研究報告書. Technical report, WIDE プロジェクト, 1989.
- [7] Jun Murai, et al. Construction of Internet for Japanese Academic Communities. In *Proc. of SuperComputing '89*. IEEE, 11 1989.
- [8] Xerox Corp. Synchronous Point-to-Point Protocol. XNS Standard 158412, 12 1984.
- [9] J.L. Romkey. A Nonstandard for Transmission of IP Datagrams over Serial Lines: SLIP. RFC 1055, 6 1988.
- [10] Van Jacobson. Compressing TCP/IP Headers for Low-Speed Serial Links. RFC 1144, 2 1990.
- [11] 平原正樹. Jain の現状と相互接続技術. 日本における アカデミックネットワークの相互接続の 諸問題シンポジウム論文集, March 1992.
- [12] 川添良幸, 静谷啓樹訳編. キャンパスネットワーキング. 共立出版, 1990.
- [13] 東田幸樹. Bitnet, November 1990. JUS ネットワークサービスワークショップ.
- [14] Mark R. Horton and Rick Adams. Standard for Interchange of USENET Messages. RFC 1136, 12 1987.
- [15] M. Lottor. Internet Growth. RFC 1296, 1 1992.
- [16] J. Postel (ed.). Internet Protocol – DARPA Internet Program Protocol Specification. RFC 791, 9 1980.

- [17] J. Postel (ed.). Transmission Control Protocol – DARPA Internet Program Protocol Specification. RFC 793, 9 1981.
- [18] J. Postel (ed.). User Datagram Protocol. RFC 768, 8 1980.
- [19] J. B. Postel and J. K. Reynolds. Telnet Protocol specification, May 1983.
- [20] Jon Postel and Joyce Reynolds. File Transfer Protocol (FTP). RFC 959, 9 1985.
- [21] Samuel J. Leffer, William N. Joy, and Robert S. Fabry. *4.2 BSD Interprocess Communication Primer*. CSRG University of California at Berkely, July 1983. Unix Programmer's Manual.
- [22] Samuel J. Leffer, William N. Joy, and Robert S. Fabry. *4.2 BSD Networking Implementation Notes*. CSRG University of California at Berkely, July 1983. Unix Programmer's Manual.
- [23] Samuel J. Leffer, Marshall Kirk McKusick, Michael J. Karels, and John S. Quarterman. *The Design and Implementation of the 4.3BSD UNIX Operating System*. Addison-Wesley, 1989.
- [24] CCITT. Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Synchronous Operation on Public Data Networks. X.21, 1988.
- [25] CCITT. Automatic Calling and/or Answering Equipment on the General Switched Telephone Network (GSTN) using the 100-Series Interchange Circuits. V.25bis, 1984.
- [26] CCITT. Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Terminals Operating in the Packet Mode and Connected to Public Data Networks by Dedicated Circuit. X.25, 1984.
- [27] CCITT. International HowPublishing Plan for Public Data Networks. X.121, 1984.
- [28] Digital Equipment Corp., Intel Corp., and Xerox Corp. The ethernet: A local area network - data link layer and physical layer specifications, version 1.0.
- [29] John Nagel. Congestion Control in IP/TCP Internetworks. RFC 896, 1 1984.
- [30] David C. Plummer. An Ethernet Address Resolution Protocol. RFC 826, 11 1982.
- [31] CCITT. Numbering Plan for the ISDN Area. I.331, 1988.

- [32] CCITT. Numbering Plan for the International Telephone Service. E.163, 1988.
- [33] Drew D. Perkins. The Point-to-Point Protocol (PPP): A Proposed Standard for the Transmission of IP Datagrams over Point-to-Point Links. Internet-Draft, July 1989.
- [34] C McGregor. *The PPP Internet Protocol Control Protocol (IPCP)*. Internet Engineering Task Force, August 1991. Internet-Draft.
- [35] B. Lloyd and W A Simpson. *The PPP Authentication Protocols*. Internet Engineering Task Force, July 1991. Internet-Draft.
- [36] CCITT. Electrical Characteristics for Balanced Double-Current Interchange Circuits for General Use with Integrated Circuit Equipment in the Field of Data Communications. X.27, 1980.
- [37] CCITT. Electrical Characteristics for Unbalanced Double-Current Interchange Circuits for General Use with Integrated Circuit Equipment in the Field of Data Communications. X.26, 1980.
- [38] CCITT. Characteristics and Protocols for terminals for Telematic Services in ISDN. T.90, 1988.
- [39] Kato Akira. Network Module Structure for Heterogeneous Datalinks. In *Proc. of JWCC '91*, Kyusyu, Japan, July 1991.
- [40] S. Deering D. Waitzman, C. Partridge. Distance Vector Multicast Routing Protocol. RFC 1075, November 1988.
- [41] S. Derring. Multicast routing in internetworks and extended lans. In *SIGCOMM*. ACM, August 1988.
- [42] C.L. Hedrick. Routing Information Protocol. RFC 1058, 6 1988.
- [43] John M. Mcquillan and Ira Richer and Ericc. Rosen. The new routing algorithm for the arpanet. In *IEEE Transactions on Communication COM-28(5)*, pp. 711-719, May 1980.
- [44] S.E. Deering. Host Extensions for IP Multicasting. RFC 1112, 8 1989.
- [45] Steve Deering. Ip multicast extensions for 4.3bsd unix and related systems. MULTICAST 1.2 Release, deering@pescadero.stanford.edu, June 1989.
- [46] S. Deering. ICMP router discovery messages. RFC 1256, 9 1991.

- [47] David R. Cheriton. VMTP: Versatile Message Transaction Protocol: Protocol Specification. RFC 1045, 2 1988.
- [48] D.R. Cheriton and W. Zwaenepoel. The distributed v kernel and its performance for diskless workstations. In *Proceedings of the 9th Symposium on Operating System Principles*, 1983.
- [49] D.R. Cheriton. The v kernel: A software base for distributed systems. In *IEEE Software* 1(2), April 1984.
- [50] ISO. *Information processing systems – Open Systems Interconnection – Basic Reference Model*, 1984. ISO7498.
- [51] Mike Accetta, Robert Baron, David Golub, Richard Rashid, Avadis Tevanian, and Michael Young. Mach: A New Kernel Foundation For UNIX Development. Technical report, Department of Computer Science, Carnegie-Mellon University, August 1986.
- [52] David R. Cheriton. THE V DISTRIBUTED SYSTEM. *Communications of the ACM*, Vol. 31, No. 3, pp. 314–333, March 1988.
- [53] M. Rozier, V. Abrossimov, F. Armand, I. Boule, M. Gien, M. Guillemont, F. Herrmann, C. Kaiser, S. Langlois, P. Léonard, and W. Neuhauser. Chorus Distributed Operating Systems. *Computing Systems*, Vol. 1, No. 4, Fall 1988.
- [54] Andrew S. Tanenbaum. In his lecture in sony computer science laboratory inc., January 1991.
- [55] Xerox. *Internet Transport Protocols*. XEROX CORPORATION, December 1981. X SIS 028112.
- [56] C. Sunshine and J. Postel. *Addressing Mobile Hosts in the ARPA Internet Environment*, March 1980. IEN135.
- [57] Danny Cohen, Jonathan B. Postel, and Raphael Rom. IP Addressing and Routing in a Local Wireless Network. Technical report, University of Southern California, July 1991.
- [58] John Ioannidis, Dan Duchamp, and Gerald Q. Maguire Jr. IP-based Protocols for Mobile Internetworking. In *Proceedings of ACM SIGCOMM 91*, September 1991.
- [59] Fumio Teraoka, Kim Claffy, and Mario Tokoro. Design, Implementation, and Evaluation of Virtual Internet Protocol. In *Proceedings of the 12th International Conference on Distributed Computing Systems*, June 1992.

- [60] Fumio Teraoka. The Virtual IP Protocol Specification. Technical Report SCSL-TM-91-007, Sony Computer Science Laboratory Inc., February 1991.
- [61] P.V. Mockapetris. Domain names – concepts and facilities. RFC 1034, 11 1987.
- [62] CCITT. The Directory - Overview of Concepts, Models and Services. X.500, 1988.
- [63] ISO. *Intermediate System to Intermediate System Intra-Domain Routing Exchange Protocol for use in Conjunction with the Protocol for Providing the Connectionless-mode Network Service (ISO 8473)*, February 1990. ISO DP 10589.
- [64] Fumio Teraoka. A General Protocol Specification of the Virtual Network Sublayer. Technical Report SCSL-TM-91-001, Sony Computer Science Laboratory Inc., January 1991.
- [65] Jon Postel. Internet Control Message Protocol. RFC 792, 9 1981.
- [66] Yasuhiko Yokote, Fumio Teraoka, Atsushi Mitsuzawa, Nobuhisa Fujinami, and Mario Tokoro. The Muse Object Architecture: A New Operating System Structuring Concept. *Operating Systems Review*, Vol. 25, No. 2, February 1991.
- [67] D. Comer. *Internetworking with TCP/IP volume I*. Prentice Hall International, 1991.
- [68] V. Jacobson, et al. *TCPDUMP (1)*. Unix Manual Page.
- [69] L. Wall and R. L. Schwartz. *programming Perl*. O'Reilly & Associates, Inc, 1990.
- [70] D. Comer and D. L. Stevens. *Internetworking with TCP/IP volume II*. Prentice Hall International, 1991.
- [71] D. Ewing, R. Hall, and M. Schwartz. A measurement study of internet file transfer traffic. Technical Report CU-CS-571-92, Technical Report of University of Colorado, Jan. 1992.
- [72] J.D. Case, et al. A Simple Network Management Protocol (SNMP). RFC 1157, 5 1990.
- [73] K. McCloghrie and Marshall Rose. Management Information Base for Network Management of TCP/IP-based Internets. RFC 1156, 5 1990.
- [74] J. Crowcroft and I. Wakeman. Traffic analysis of some UK-US academic network data. In *Proceedings of INET'91*, Jun. 1991.

- [75] Jun Murai, Akira Kato, Hiroyuki Kusumoto, Suguru Yamaguchi, and Tomomitsu Sato. Construction of the Widely Integrated Distributed Environment. In *Proceedings of TENCON '89*. IEEE, November 1989. Bombay, India.
- [76] V. Cerf. Guidelines for internet measurement activities. RFC1262, 10 1991.
- [77] J. Quarterman. *The Matrix*. Digital Press, 1990.
- [78] J. Plank. *jgraph*. Unix Manual Page.
- [79] Sun Microsystems, Inc. *The Network Information Service*, March 1990.
- [80] Kevin J. Dunlap. *Name Server Operations Guide for BIND*. University of California Berkeley, April 1986. UNIX System Manager's Manual(SMM).
- [81] D.C. Oppen and Y.K. Dalal. The clearinghouse: a decentralized agent for locating named objects in distributed environment. *ACM Transactions on Office Information Systems*, Vol. vol 1, , 1983.
- [82] Carl Malamud. *Analyzing Sun Networks*. Van Nostrand Reinhold, New York, 1992.
- [83] International Organization for Standardization and International Electrotechnical Committee(ISO/IEC). *Information Processing Systems - Open Systems Interconnection - The Directory*, 1988. ISO 9594.
- [84] 電信電話技術委員会 (TTC). 高位レイヤプロトコル ディレクトリ関連, 1988. TTC 標準 第 V 巻 第 2 分冊.
- [85] Marshall T. Rose. *The Open Book - A Practical Perspective on OSI*. Prentice-Hall, 1989.
- [86] International Organization for Standardization and International Electrotechnical Committee(ISO/IEC). *Information Processing - Open Systems Interconnection - Specification of Abstract Syntax Notation One(ASN.1)*, 1987. ISO 8824.
- [87] CCITT. The Directory - Authentication framework. X.509, 1988.
- [88] S.E. Kille. The design of quipu. Research note, Department of Computer Science, University College London, March 1989.
- [89] Colin J. Robbins and Stephen E. Kille. *The ISO Development Environment: User's Manual(Version 7.0)*, August 1991. Volume 5: QUIPU.
- [90] Paul Barker and Colin J. Robbins. *Directory navigation in the Quipu X.500 system*, October 1989.

- [91] Stephen E. Kille. An interim approach to the use of network addresses. Research note rn/89/19, Department of Computer Science, University College London, March 1989.
- [92] Jun Murai. Construction of the widely integrated distributed environment. In *Proc. of the 4th International Joint Workshop on Computer Communications*, July 1989.
- [93] 村井純, 加藤朗, 佐藤智満, 楠本博之, 山口英. 大規模広域分散環境 wide の構築. 情報処理学会 マルチメディア通信と分散処理研究会 資料 89-DPS-42-8, May 1989.
- [94] 吉田茂樹, 片山泰子, 松山直道, 砂原秀樹. Osi ディレクトリサービスの実験. 情報処理学会研究報告 91-DPS-51, July 1991. 情処研報 Vol.91, No.53.
- [95] Joann J. Ordille and Barton P. Miller. Nomenclator descriptiv query optimization for large x.500 environments. In *ACM SIGCOMM 1991*, 1991.
- [96] Marshall T. Rose, Julian P. Onions, and Colin J. Robbins. *The ISO Development Environment: User's Manual (Version 7.0)*, August 1991. Volume 3: Applications.
- [97] Steve H. Kille. Paradise international report. Technical report, PARADIS E Project, November 1991. Department of Computer Science, University College London, Gower Street, London WC1E 6BT.
- [98] 尾上淳. 広域開放型分散環境における名前サーバの設計と実装. Master's thesis, 慶應義塾大学大学院理工学研究科電気工学専攻修士課程, February 1990. 平成元年度修士論文.
- [99] Marshall Kirk McKusick Samuel J. Leffler and Michael J. Karels. *The Design and Implementation of the 4.3BSD UNIX Operating System*,. Addison-Wesley Publishing Company, Inc., 1989.
- [100] Joseph Y. Halpern. Knowledge and common knowledge in a distributed environment. *Journal of ACM*, Vol. 37, No. 3, pp. 549-587, July 1990.
- [101] Matt Blaze and Rafael Alonso. Long-term caching strategies for very large distributed file systems. In *USENIX Summer '91 - Nashville, TN*, pp. 3-15. USENIX Association, 1991.
- [102] Sun Microsystems. *rpcgen Programming Guide*, Vol. Network Programming Guide, chapter 3. Sun Microsystems, 1990.

- [103] Suguru Yamaguchi, Kiyohiko Okayama, and Hideo Miyahara. Design and implementation of an authentication system in WIDE Internet environment. In *Proceedings of the fifth IEEE Region 10 International Conference TENCON'90*, pp. 653–657, September 1990.
- [104] WIDE プロジェクト. 1990 年度 wide プロジェクト研究報告書. Technical report, WIDE プロジェクト, 1990.
- [105] 大野浩之, 村井純. Wide プロジェクトにおける音声情報の活用について — phone shell の設計とネットワーク管理への応用 —. In *JUS 16th UNIX SYMPOSIUM*, pp. pp.164–173, 1990.
- [106] 中村修, 塩田憲行. Unix と fax. In *JUS 15th UNIX SYMPOSIUM*, 1990.
- [107] 大野浩之, 村井純. Wide/pcs - ポケットベルを利用したメッセージ伝達システム -. In *JUS 18th UNIX SYMPOSIUM*, pp. pp.140–149, 1991.
- [108] Jon Postel. Simple Mail Transfer Protocol. RFC 821, 8 1982.
- [109] P.V. Mockapetris. Domain names – implementation and specification. RFC 1035, 11 1987.
- [110] Jun Murai. Evolution, technology, and future of japanese research networks. In *Program and Abstracts of International Networking Conference '91*, 1991.
- [111] Jun Murai. Wide project overview: Status report of 1992. In *Proceedings of International Networking Conference '92*. Internet Society, 1992.
- [112] Akira Kato and Kaoru Hieda. Network module structure for heterogenous datalinks. In *Proceedings of International Networking Conference '92*. Internet Society, 1992.
- [113] Toshiya Asaba, K. Claffy, Osamu Nakamura, and Jun Murai. An analysis of international academic research network traffic between japan and other nations. In *Proceedings of International Networking Conference '92*. Internet Society, 1992.