
Webbification of Network Management

Karim El Guemhioui and Raouf Boutaba

*Computer Science Research Institute of Montréal (CRIM)
1801, Avenue McGill College, Suite 800
Montréal (Québec), Canada H3A 2N4
(514) 840 - 1235 Ext. 5736, Fax: (514) 840 - 1244
e-mail: kelguemh@crim.ca*

ABSTRACT— Network management is an area which has become very important over the last decade as today's networks have become critical to the success of many organizations. The existing heterogeneity of platforms and the proliferation of approaches and models to network management, make applications development and network management very costly by requiring system administrators to deal with multiple technologies. The growing popularity of the World Wide Web (WWW) and associated tools (e.g., Java, HTML pages, etc.) have spawned a number of research efforts and commercial initiatives aimed at applying these new technologies to the challenging problem of network management. This paper presents some of the most significant efforts to integrate network management and the Web. Research proposals, commercial offerings, and standardization attempts are reviewed. Their pros and cons are discussed.

KEY WORDS: *Network Management, Web Technologies, WWW, Java, CMIP, SNMP*
