Application Scanning and Ipv6 Assessment for MS-SQL Server

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***Abstract*—This paper attempts to present a solution that allows the users to scan the remote host machine on a network and to assess IPv6 enablement for MS-SQL. It aims to detect the hardware and the software installed on that machine. This goal is achieved by the use of Windows Application Programming Interface (API) through Windows Management Instrumentation (WMI) Scripts which handles the registry. WMI Scripts are used to connect to the registry of a remote host machine that reads the installed path of the software and hardware details of that machine. First, it will detect the underlying Operating System whether it can support IPv6 or not. If the underlying operating system can support IPv6, then only applications running on it can run on IPv6 enabled network. So for this the system also assesses the IPv6 enablement of MS-SQL Server.**

***Index Terms*—IPv6, API, WMI, MS-SQL**

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