

TOWARDS A SEMANTIC WEB APPLICATION FOR NVD-CPE

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Semantic Web

- ▶ Humans are capable of using the Web to carry out tasks such as finding the
 - Finnish word for "monkey",
 - reserving a library book,
 - searching for a low price for a DVD.
- ▶ However, a Computer cannot accomplish the same tasks without human direction because web pages are designed to be read by people, not machines.
- ▶ The semantic web is a vision of information that is understandable by computers, so that they can perform more of the tedious work involved in finding, sharing, and combining information on the web.

Common Platform Enumeration

- ▶ **CPE** is a structured naming scheme for IT systems, platforms, and packages.
- ▶ A CPE Name is represented by a URI.
- ▶ Each name consists of the prefix "cpe:" and is followed by up to seven different components.
- ▶ These components are used to help build consistent and unique names.
- ▶ The components relate to
 - platform part,
 - vendor,
 - product name,
 - version,
 - update level,
 - Edition
 - language.