

# Aliases – Wildcards - Abbreviations



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# CPE Coverage

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- current valid parts
  - hardware
  - operating system
  - applications
- possibilities
  - drivers
  - virtual systems
  - libraries
  - patches



# Numerical Identifiers

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- advantages
  - simple
  - more stable
    - organizations merging
    - products changing names
- disadvantages
  - matching use case is lost
    - would require alias table



# Numerical Identifiers Example

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- cpe:12345
- cpe:56789
- cpe:/o:microsoft:windows-xp
- cpe:/o:microsoft:windows-xp::sp2



# Using a Tagged Approach

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- some number of tags are associated with each CPE Name
  - numerical id?
  - tags for vendor name, version, etc.
- works more like a database
  - more resources required to interface with?
- easy to add more tags without changing id