# Assumptions and Considerations of

# Software Patch Management

# Web Application

**Sponsored by: Coupa Software**

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## 1. Assumption of input CSV file

The system performs a series of validation for the file uploaded in order to filter out invalid files. We assume the input files should follow the standard form of Qualys scan report, which includes:

1. The file should have suffix of “.csv”.
2. The file should have size smaller than 50MB.
3. The file should have a header row that:
   1. The first column is “IP”.
   2. The header row does not need to be the 1st row of the file.
   3. Consists of exact 25 columns [IP], [DNS], [NetBIOS], [OS], [IPStatus], [QID], [Title], [Type], [Severity], [Port], [Protocol], [FQDN], [SSL], [CVE ID], [Vendor Reference], [Bugtraq ID], [Threat], [Impact], [Solution], [Exploitability], [Associated Malware], [Results], [PCI Vuln], [Instance], [Category].
4. Each row should have 25 columns.
5. Value in the “IP” column of each row:
   1. Cannot be empty
   2. Should follow standard IP format
6. Value in the “Severity” column of each row:
   1. Cannot be empty
   2. Should be numbers ranging from 0 to 10

## 2. Other Assumption

1. IP address should be in IPv4 format. The system does not support IPv6 formatted address.