# CVE Detail – CVE-2020-10735

A flaw was found in python. In algorithms with quadratic time complexity using non-binary bases, when using int("text"), a system could take 50ms to parse an int string with 100,000 digits and 5s for 1,000,000 digits (float, decimal, int.from\_bytes(), and int() for binary bases 2, 4, 8, 16, and 32 are not affected). The highest threat from this vulnerability is to system availability.

## Threat-Mapped Scoring

Score: 0.0

Priority: Unclassified

## EPSS

EPSS Score: N/A

Percentile: 0.55877

## CVSS Scoring

CVSS v3.1 Score: 7.5

Severity: HIGH

## Mapped CWE(s)

* CWE-704: Incorrect Type Conversion or Cast

## Affected Products

* cpe:2.3:a:python:python:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:alpha1:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:alpha2:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:alpha3:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:alpha4:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:alpha5:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:alpha6:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:alpha7:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:beta1:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:beta2:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:beta3:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:beta4:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:beta5:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:python:python:3.11.0:rc1:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:redhat:quay:3.0.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:redhat:software\_collections:-:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:fedoraproject:fedora:35:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:fedoraproject:fedora:36:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:fedoraproject:fedora:37:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:o:redhat:enterprise\_linux:8.0:\*:\*:\*:\*:\*:\*:\*