

CAPEC-649: Adding a Space to a File Extension (Version 3.9)

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▼ Description

An adversary adds a space character to the end of a file extension and takes advantage of an application that does not properly neutralize trailing special elements in file names. This extra space, which can be difficult for a user to notice, affects which default application is used to operate on the file and can be leveraged by the adversary to control execution.

▼ Likelihood Of Attack

▼ Typical Severity

▼ Relationships

i This table shows the other attack patterns and high level categories that are related to this attack pattern. These relationships are defined as ChildOf and ParentOf, and give insight to similar items that may exist at higher and lower levels of abstraction. In addition, relationships such as CanFollow, PeerOf, and CanAlsoBe are defined to show similar attack patterns that the user may want to explore.

Nature	Type
ChildOf	S Standard Attack Pattern - A standard level attack pattern in CAPEC is focused on a specific methodology or technique used in an attack. It

i This table shows the views that this attack pattern belongs to and top level categories within that view.

▼ Prerequisites

The use of the file must be controlled by the file extension.

▼ Consequences

i This table specifies different individual consequences associated with the attack pattern. The Scope identifies the security property that is violated, while the Impact describes the negative technical impact that arises if an adversary succeeds in their attack. The Likelihood provides information about how likely the specific consequence is expected to be seen relative to the other consequences in the list. For example, there may be high likelihood that a pattern will be used to achieve a certain impact, but a low likelihood that it will be exploited to achieve a different impact.

Scope	Impact	Likelihood
Confidentiality	Execute Unauthorized Commands	
Integrity		
Availability		

▼ Mitigations

File extensions should be checked to see if non-visible characters are being included.

▼ Taxonomy Mappings

i CAPEC mappings to ATT&CK techniques leverage an inheritance model to streamline and minimize direct CAPEC/ATT&CK mappings. Inheritance of a mapping is indicated by text stating that the parent CAPEC has relevant ATT&CK mappings. Note that the ATT&CK Enterprise Framework does not use an inheritance model as part of the mapping to CAPEC.

Relevant to the ATT&CK taxonomy mapping (also see [parent](#))

Entry ID	Entry Name
1036.006	Masquerading:Space after Filename

► Content History

Submissions		
Submission Date	Submitter	Organization
2018-05-31 (Version 2.11)	CAPEC Content Team	The MITRE Corporation
Modifications		
Modification Date	Modifier	Organization
2019-04-04 (Version 3.1)	CAPEC Content Team	The MITRE Corporation
	Updated Related_Weaknesses	
2020-07-30 (Version 3.3)	CAPEC Content Team	The MITRE Corporation
	Updated Taxonomy_Mappings	

More information is available — Please select a different filter.

Source: <https://capec.mitre.org/data/definitions/649.html>