

CAPEC-556: Replace File Extension Handlers (Version 3.9)

Archived: 2026-04-02 10:38:00 UTC

▼ Description

When a file is opened, its file handler is checked to determine which program opens the file. File handlers are configuration properties of many operating systems. Applications can modify the file handler for a given file extension to call an arbitrary program when a file with the given extension is opened.

▼ 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.

▼ Mitigations

Inspect registry for changes. Limit privileges of user accounts so changes to default file handlers can only be performed by authorized administrators.

▼ 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
1546.001	Event Triggered Execution:Change Default File Association

► Content History

Submissions		
Submission Date	Submitter	Organization
2015-11-09 (Version 2.7)	CAPEC Content Team	The MITRE Corporation
Modifications		
Modification Date	Modifier	Organization
2018-07-31 (Version 2.12)	CAPEC Content Team	The MITRE Corporation
	Updated References	
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/556.html>