

CAPEC-550: Install New Service (Version 3.9)

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▼ Description

When an operating system starts, it also starts programs called services or daemons. Adversaries may install a new service which will be executed at startup (on a Windows system, by modifying the registry). The service name may be disguised by using a name from a related operating system or benign software. Services are usually run with elevated privileges.

▼ 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

Limit privileges of user accounts so new service creation 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
1543	Create or Modify System Process

▶ Content History

Submissions		
Submission Date	Submitter	Organization
2015-11-09 (Version 2.7)	CAPEC Content Team	The MITRE Corporation
Modifications		
Modification Date	Modifier	Organization
2017-05-01 (Version 2.10)	CAPEC Content Team	The MITRE Corporation
	Updated References	
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	CAPEC Content Team	The MITRE Corporation

(Version 3.3)	Updated Taxonomy_Mappings	
2021-06-24	CAPEC Content Team	The MITRE Corporation
(Version 3.5)	Updated Taxonomy_Mappings	
2022-09-29	CAPEC Content Team	The MITRE Corporation
(Version 3.8)	Updated Taxonomy_Mappings	

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Source: <https://capec.mitre.org/data/definitions/550.html>