

Evilginx – ywnjb		PREVALENCE	IMPLEMENTATION
		Medium	Reverse proxy
		ALIASES	
LICENSING	Open source	CONTEXT <ul style="list-style-type: none">Open-source AitM phishing kit maintained by <i>kgretzky</i>, available on GitHub since 2017Configuration file (phishlet) required for the phishing kit, most attackers use a variant of the phishlet named "o365" with the configured subdomain "YWNjb" to harvest Microsoft 365 credentials. This phishlet was first observed in December 2022.	
TARGET	Microsoft 365		
FIRST SEEN	December 2022		
ANTI-BOT PAGES Not provided by Evilginx Custom pages used by attackers		INFRASTRUCTURE Clustering: <ul style="list-style-type: none">Phishing clusters based on the subdomains used by the kit, which depend on the phishlet (configuration)Main phishing cluster "YWNjb" uses the characteristic subdomain "YWNjb"	
URL PATTERNS Identical to Microsoft ones, but using a malicious domain names, e.g.: <ul style="list-style-type: none"><phishing-domain>/common/oauth2/v2.0/authorize<phishing-domain>/common/GetCredentialType<phishing-domain>/common/SAS/BeginAuth			
MAIN STEPS (FOR YWNJB PHISHLETS)			
Fake Microsoft authentication page <ul style="list-style-type: none">HTML page containing the fake Microsoft authentication page and obfuscated heavy JavaScript code		Phishing subdomain "office." or "login."	
Script handling authentication steps <ul style="list-style-type: none">Legitimate Microsoft code injected with the phishing subdomain		Phishing subdomain "ywnjb."	
Exfiltration <ul style="list-style-type: none">Phishing server operating as a reverse proxy, relaying all requests to Microsoft API		Phishing subdomain "office." or "login."	
Redirection <ul style="list-style-type: none">Redirection to a Microsoft URL using the HTTP Location header from the request to the subdomain "react."		Microsoft domain	
AUTHENTICATION WITH MICROSOFT SERVICES			TOP ASNS
APP ID	4765445b-32c6-49b0-83e6-1d93765276ca (OfficeHome)		AS16509
			AS14061
			AS22612
			AS47583
			AS14956
OTHER CHARACTERISTICS Unwanted traffic (incorrect path, or else) redirecting to Rick Astley song on YouTube			
INDICATORS IN CODE Malicious URLs included in legitimate Microsoft code			
Kuba Gretzky evilginx2 repository on GitHub			Jul 2018
Microsoft	From cookie theft to BEC: Attackers use AiTM phishing sites as entry point to further financial fr...		Jul 2022