# CVE Detail – CVE-2022-30034

Flower, a web UI for the Celery Python RPC framework, all versions as of 05-02-2022 is vulnerable to an OAuth authentication bypass. An attacker could then access the Flower API to discover and invoke arbitrary Celery RPC calls or deny service by shutting down Celery task nodes.

## Threat-Mapped Scoring

Score: 3.0

Priority: P2 - Serious (High)

## EPSS

EPSS Score: N/A

Percentile: 0.34791

## CVSS Scoring

CVSS v3.1 Score: 8.6

Severity: HIGH

## Mapped CWE(s)

* CWE-287: Improper Authentication

## CAPEC(s)

* CAPEC-114: Authentication Abuse
* CAPEC-115: Authentication Bypass
* CAPEC-151: Identity Spoofing
* CAPEC-194: Fake the Source of Data
* CAPEC-22: Exploiting Trust in Client
* CAPEC-57: Utilizing REST's Trust in the System Resource to Obtain Sensitive Data
* CAPEC-593: Session Hijacking
* CAPEC-633: Token Impersonation
* CAPEC-650: Upload a Web Shell to a Web Server
* CAPEC-94: Adversary in the Middle (AiTM)

## ATT&CK Techniques

* T1557: Adversary-in-the-Middle
* T1040: Network Sniffing
* T1185: Browser Session Hijacking
* T1563: Remote Service Session Hijacking
* T1505.003: Web Shell
* T1548: Abuse Elevation Control Mechanism
* T1134: Access Token Manipulation
* T1550.001: Application Access Token

## Used By (Actors/Tools)

* TrickBot (malware)
* cd00r (malware)
* JumbledPath (malware)
* SEASHARPEE (malware)
* VersaMem (malware)
* reGeorg (malware)
* Ursnif (malware)
* AppleSeed (malware)
* BUSHWALK (malware)
* J-magic (malware)
* SslMM (malware)
* Emotet (malware)
* Mafalda (malware)
* P.A.S. Webshell (malware)
* TRANSLATEXT (malware)
* Regin (malware)
* Line Dancer (malware)
* Raspberry Robin (malware)
* BlackCat (malware)
* IcedID (malware)
* GLASSTOKEN (malware)
* ASPXSpy (malware)
* China Chopper (malware)
* SnappyTCP (malware)
* LIGHTWIRE (malware)
* Line Runner (malware)
* Duqu (malware)
* Cuba (malware)
* FoggyWeb (malware)
* Hydraq (malware)
* CreepyDrive (malware)
* Chaes (malware)
* Sagerunex (malware)
* RAPIDPULSE (malware)
* MegaCortex (malware)
* Grandoreiro (malware)
* PULSECHECK (malware)
* MESSAGETAP (malware)
* XLoader (malware)
* Ryuk (malware)
* HermeticWiper (malware)
* OwaAuth (malware)
* Cobalt Strike (malware)
* SUPERNOVA (malware)
* Neo-reGeorg (malware)
* Carberp (malware)
* FRAMESTING (malware)
* SUNSPOT (malware)
* WIREFIRE (malware)
* STEADYPULSE (malware)
* SLIGHTPULSE (malware)
* Penquin (malware)
* Melcoz (malware)
* KillDisk (malware)
* Agent Tesla (malware)
* QakBot (malware)
* Gelsemium (malware)
* Dridex (malware)
* Dok (malware)
* NPPSPY (tool)
* Sliver (tool)
* PowerSploit (tool)
* Impacket (tool)
* Empire (tool)
* PoshC2 (tool)
* Peirates (tool)
* Responder (tool)
* NBTscan (tool)
* Operation Wocao (campaign)
* Velvet Ant (intrusion-set)
* APT41 DUST (campaign)
* ArcaneDoor (campaign)
* Dragonfly (intrusion-set)
* OilRig (intrusion-set)
* Fox Kitten (intrusion-set)
* SolarWinds Compromise (campaign)
* Operation CuckooBees (campaign)
* Sandworm Team (intrusion-set)
* Ember Bear (intrusion-set)
* FIN6 (intrusion-set)
* APT28 (intrusion-set)
* Volt Typhoon (intrusion-set)
* Magic Hound (intrusion-set)
* APT29 (intrusion-set)
* HAFNIUM (intrusion-set)
* APT39 (intrusion-set)
* APT38 (intrusion-set)
* APT32 (intrusion-set)
* APT5 (intrusion-set)
* BackdoorDiplomacy (intrusion-set)
* Kimsuky (intrusion-set)
* Leviathan (intrusion-set)
* Tropic Trooper (intrusion-set)
* 2015 Ukraine Electric Power Attack (campaign)
* Moses Staff (intrusion-set)
* DarkVishnya (intrusion-set)
* FIN13 (intrusion-set)
* GALLIUM (intrusion-set)
* CURIUM (intrusion-set)
* Blue Mockingbird (intrusion-set)
* Versa Director Zero Day Exploitation (campaign)
* BlackByte (intrusion-set)
* Threat Group-3390 (intrusion-set)
* Tonto Team (intrusion-set)
* Agrius (intrusion-set)
* Sea Turtle (intrusion-set)
* Leviathan Australian Intrusions (campaign)
* Salt Typhoon (intrusion-set)
* C0032 (campaign)
* HomeLand Justice (campaign)
* C0017 (campaign)
* APT33 (intrusion-set)
* Cutting Edge (campaign)
* Lotus Blossom (intrusion-set)
* Volatile Cedar (intrusion-set)
* 2022 Ukraine Electric Power Attack (campaign)
* Deep Panda (intrusion-set)
* FrostyGoop Incident (campaign)

## Affected Products

* cpe:2.3:a:flower\_project:flower:\*:\*:\*:\*:\*:\*:\*:\*