# CVE Detail – CVE-2020-26282

BrowserUp Proxy allows you to manipulate HTTP requests and responses, capture HTTP content, and export performance data as a HAR file. BrowserUp Proxy works well as a standalone proxy server, but it is especially useful when embedded in Selenium tests. A Server-Side Template Injection was identified in BrowserUp Proxy enabling attackers to inject arbitrary Java EL expressions, leading to unauthenticated Remote Code Execution (RCE) vulnerability. This has been patched in version 2.1.2.

## Threat-Mapped Scoring

Score: 1.8

Priority: P4 - Informational (Low)

## EPSS

EPSS Score: N/A

Percentile: 0.91268

## CVSS Scoring

CVSS v3.1 Score: 10.0

Severity: CRITICAL

## Mapped CWE(s)

* CWE-74: Improper Neutralization of Special Elements in Output Used by a Downstream Component ('Injection')

## CAPEC(s)

* CAPEC-10: Buffer Overflow via Environment Variables
* CAPEC-101: Server Side Include (SSI) Injection
* CAPEC-105: HTTP Request Splitting
* CAPEC-108: Command Line Execution through SQL Injection
* CAPEC-120: Double Encoding
* CAPEC-13: Subverting Environment Variable Values
* CAPEC-135: Format String Injection
* CAPEC-14: Client-side Injection-induced Buffer Overflow
* CAPEC-24: Filter Failure through Buffer Overflow
* CAPEC-250: XML Injection
* CAPEC-267: Leverage Alternate Encoding
* CAPEC-273: HTTP Response Smuggling
* CAPEC-28: Fuzzing
* CAPEC-3: Using Leading 'Ghost' Character Sequences to Bypass Input Filters
* CAPEC-34: HTTP Response Splitting
* CAPEC-42: MIME Conversion
* CAPEC-43: Exploiting Multiple Input Interpretation Layers
* CAPEC-45: Buffer Overflow via Symbolic Links
* CAPEC-46: Overflow Variables and Tags
* CAPEC-47: Buffer Overflow via Parameter Expansion
* CAPEC-51: Poison Web Service Registry
* CAPEC-52: Embedding NULL Bytes
* CAPEC-53: Postfix, Null Terminate, and Backslash
* CAPEC-6: Argument Injection
* CAPEC-64: Using Slashes and URL Encoding Combined to Bypass Validation Logic
* CAPEC-67: String Format Overflow in syslog()
* CAPEC-7: Blind SQL Injection
* CAPEC-71: Using Unicode Encoding to Bypass Validation Logic
* CAPEC-72: URL Encoding
* CAPEC-76: Manipulating Web Input to File System Calls
* CAPEC-78: Using Escaped Slashes in Alternate Encoding
* CAPEC-79: Using Slashes in Alternate Encoding
* CAPEC-8: Buffer Overflow in an API Call
* CAPEC-80: Using UTF-8 Encoding to Bypass Validation Logic
* CAPEC-83: XPath Injection
* CAPEC-84: XQuery Injection
* CAPEC-9: Buffer Overflow in Local Command-Line Utilities

## ATT&CK Techniques

* T1574.007: Path Interception by PATH Environment Variable
* T1574.006: Dynamic Linker Hijacking
* T1562.003: Impair Command History Logging
* T1027: Obfuscated Files or Information

## Used By (Actors/Tools)

* TrickBot (malware)
* EKANS (malware)
* SynAck (malware)
* Bumblebee (malware)
* Amadey (malware)
* Orz (malware)
* NOKKI (malware)
* AvosLocker (malware)
* COATHANGER (malware)
* Sardonic (malware)
* Matryoshka (malware)
* Ecipekac (malware)
* AppleSeed (malware)
* BUSHWALK (malware)
* NETWIRE (malware)
* OLDBAIT (malware)
* TEARDROP (malware)
* Turian (malware)
* Action RAT (malware)
* Gootloader (malware)
* PolyglotDuke (malware)
* Hildegard (malware)
* SombRAT (malware)
* Snip3 (malware)
* RegDuke (malware)
* InvisiMole (malware)
* P.A.S. Webshell (malware)
* Line Dancer (malware)
* Conti (malware)
* Raspberry Robin (malware)
* Diavol (malware)
* Siloscape (malware)
* Kazuar (malware)
* CHIMNEYSWEEP (malware)
* FatDuke (malware)
* DRATzarus (malware)
* SHOTPUT (malware)
* Avaddon (malware)
* Conficker (malware)
* Flagpro (malware)
* Green Lambert (malware)
* ISMInjector (malware)
* PUNCHBUGGY (malware)
* POSHSPY (malware)
* MiniDuke (malware)
* Anchor (malware)
* DarkTortilla (malware)
* ROKRAT (malware)
* CORESHELL (malware)
* PlugX (malware)
* Lumma Stealer (malware)
* DustySky (malware)
* Epic (malware)
* Cuba (malware)
* Clambling (malware)
* DarkGate (malware)
* SVCReady (malware)
* Carbanak (malware)
* XTunnel (malware)
* Hydraq (malware)
* Saint Bot (malware)
* Bundlore (malware)
* Trojan.Karagany (malware)
* Shamoon (malware)
* BPFDoor (malware)
* OopsIE (malware)
* StreamEx (malware)
* BoxCaon (malware)
* NightClub (malware)
* SDBbot (malware)
* RTM (malware)
* SodaMaster (malware)
* StrelaStealer (malware)
* Drovorub (malware)
* Kobalos (malware)
* Ryuk (malware)
* Final1stspy (malware)
* FinFisher (malware)
* Cobalt Strike (malware)
* SUNBURST (malware)
* Valak (malware)
* Samurai (malware)
* PoisonIvy (malware)
* NanoCore (malware)
* TajMahal (malware)
* Daserf (malware)
* Carbon (malware)
* Pisloader (malware)
* Ramsay (malware)
* Pillowmint (malware)
* SUNSPOT (malware)
* BoomBox (malware)
* PUNCHTRACK (malware)
* InnaputRAT (malware)
* GrimAgent (malware)
* Lokibot (malware)
* PoetRAT (malware)
* CoinTicker (malware)
* Ebury (malware)
* Maze (malware)
* ComRAT (malware)
* PowerStallion (malware)
* JPIN (malware)
* HTTPBrowser (malware)
* XCSSET (malware)
* KillDisk (malware)
* AppleJeus (malware)
* SoreFang (malware)
* Industroyer (malware)
* Agent Tesla (malware)
* ECCENTRICBANDWAGON (malware)
* ShadowPad (malware)
* QakBot (malware)
* Hancitor (malware)
* jRAT (malware)
* Dridex (malware)
* Denis (malware)
* Comnie (malware)
* H1N1 (malware)
* SLOWPULSE (malware)
* ADVSTORESHELL (malware)
* HiddenWasp (malware)
* Small Sieve (malware)
* ShimRatReporter (tool)
* Sliver (tool)
* SILENTTRINITY (tool)
* PowerSploit (tool)
* Empire (tool)
* CARROTBALL (tool)
* Brute Ratel C4 (tool)
* Remcos (tool)
* Out1 (tool)
* Imminent Monitor (tool)
* MCMD (tool)
* ArcaneDoor (campaign)
* Aquatic Panda (intrusion-set)
* Earth Lusca (intrusion-set)
* Sandworm Team (intrusion-set)
* Ke3chang (intrusion-set)
* 2016 Ukraine Electric Power Attack (campaign)
* APT38 (intrusion-set)
* BackdoorDiplomacy (intrusion-set)
* Kimsuky (intrusion-set)
* Mustang Panda (intrusion-set)
* APT37 (intrusion-set)
* APT41 (intrusion-set)
* GALLIUM (intrusion-set)
* C0015 (campaign)
* Rocke (intrusion-set)
* RedCurl (intrusion-set)
* Windshift (intrusion-set)
* Gamaredon Group (intrusion-set)
* Sea Turtle (intrusion-set)
* Moonstone Sleet (intrusion-set)
* APT3 (intrusion-set)
* C0017 (campaign)
* APT-C-36 (intrusion-set)
* Gallmaker (intrusion-set)
* BlackOasis (intrusion-set)

## Affected Products

* cpe:2.3:a:browserup:browserup\_proxy:\*:\*:\*:\*:\*:\*:\*:\*