# CVE Detail – CVE-2005-4868

Shared memory sections and events in IBM DB2 8.1 have default permissions of read and write for the Everyone group, which allows local users to gain unauthorized access, gain sensitive information, such as cleartext passwords, and cause a denial of service.

## Threat-Mapped Scoring

Score: 3.1

Priority: P2 - Serious (High)

## EPSS

EPSS Score: N/A

Percentile: 0.3418

## CVSS Scoring

CVSS v3.1 Score: 7.1

Severity: HIGH

## Mapped CWE(s)

* CWE-732: Incorrect Permission Assignment for Critical Resource

## CAPEC(s)

* CAPEC-1: Accessing Functionality Not Properly Constrained by ACLs
* CAPEC-122: Privilege Abuse
* CAPEC-127: Directory Indexing
* CAPEC-17: Using Malicious Files
* CAPEC-180: Exploiting Incorrectly Configured Access Control Security Levels
* CAPEC-206: Signing Malicious Code
* CAPEC-234: Hijacking a privileged process
* CAPEC-60: Reusing Session IDs (aka Session Replay)
* CAPEC-61: Session Fixation
* CAPEC-62: Cross Site Request Forgery
* CAPEC-642: Replace Binaries

## ATT&CK Techniques

* T1553.002: Code Signing
* T1505.005: Terminal Services DLL
* T1548: Abuse Elevation Control Mechanism
* T1574.005: Executable Installer File Permissions Weakness
* T1083: File and Directory Discovery
* T1134.001: Token Impersonation/Theft
* T1554: Compromise Host Software Binary
* T1574.010: Services File Permissions Weakness
* T1550.004: Web Session Cookie

## Used By (Actors/Tools)

* TrickBot (malware)
* PowerDuke (malware)
* BLINDINGCAN (malware)
* Ninja (malware)
* QuietSieve (malware)
* SynAck (malware)
* AcidRain (malware)
* Amadey (malware)
* Proxysvc (malware)
* Orz (malware)
* yty (malware)
* Backdoor.Oldrea (malware)
* Stuxnet (malware)
* AvosLocker (malware)
* POWRUNER (malware)
* COATHANGER (malware)
* Smoke Loader (malware)
* WindTail (malware)
* Misdat (malware)
* KEYMARBLE (malware)
* ThreatNeedle (malware)
* RansomHub (malware)
* ZLib (malware)
* RedLeaves (malware)
* LITTLELAMB.WOOLTEA (malware)
* Zeus Panda (malware)
* GeminiDuke (malware)
* GravityRAT (malware)
* Prestige (malware)
* Bankshot (malware)
* SharpDisco (malware)
* StrongPity (malware)
* WinMM (malware)
* Nebulae (malware)
* Janicab (malware)
* AuditCred (malware)
* Kasidet (malware)
* OceanSalt (malware)
* Playcrypt (malware)
* Brave Prince (malware)
* RainyDay (malware)
* Ecipekac (malware)
* AppleSeed (malware)
* BUSHWALK (malware)
* NETWIRE (malware)
* CosmicDuke (malware)
* GreyEnergy (malware)
* Gomir (malware)
* Aria-body (malware)
* Emotet (malware)
* BOLDMOVE (malware)
* Crimson (malware)
* DUSTTRAP (malware)
* Turian (malware)
* BADHATCH (malware)
* Machete (malware)
* Action RAT (malware)
* Avenger (malware)
* Prikormka (malware)
* PingPull (malware)
* Dacls (malware)
* DropBook (malware)
* Woody RAT (malware)
* Mafalda (malware)
* ELMER (malware)
* SombRAT (malware)
* ODAgent (malware)
* FLASHFLOOD (malware)
* FYAnti (malware)
* LoFiSe (malware)
* HOPLIGHT (malware)
* Cuckoo Stealer (malware)
* MobileOrder (malware)
* WastedLocker (malware)
* InvisiMole (malware)
* P.A.S. Webshell (malware)
* Volgmer (malware)
* WINERACK (malware)
* WhisperGate (malware)
* FruitFly (malware)
* AcidPour (malware)
* Skidmap (malware)
* Okrum (malware)
* Bonadan (malware)
* Conti (malware)
* Raspberry Robin (malware)
* Mispadu (malware)
* Megazord (malware)
* Diavol (malware)
* Doki (malware)
* Siloscape (malware)
* BlackCat (malware)
* Fysbis (malware)
* MarkiRAT (malware)
* Kazuar (malware)
* NETEAGLE (malware)
* POORAIM (malware)
* CHIMNEYSWEEP (malware)
* FatDuke (malware)
* BlackEnergy (malware)
* zwShell (malware)
* BOOSTWRITE (malware)
* Rising Sun (malware)
* NotPetya (malware)
* ShimRat (malware)
* BADFLICK (malware)
* ObliqueRAT (malware)
* SHOTPUT (malware)
* Avaddon (malware)
* SpicyOmelette (malware)
* XAgentOSX (malware)
* China Chopper (malware)
* LockerGoga (malware)
* LightSpy (malware)
* Cheerscrypt (malware)
* LIGHTWIRE (malware)
* KeyBoy (malware)
* MiniDuke (malware)
* Anchor (malware)
* Pteranodon (malware)
* ROKRAT (malware)
* Babuk (malware)
* Exbyte (malware)
* DarkWatchman (malware)
* BlackMould (malware)
* PACEMAKER (malware)
* BBSRAT (malware)
* PlugX (malware)
* Bisonal (malware)
* MultiLayer Wiper (malware)
* Lumma Stealer (malware)
* DustySky (malware)
* Remsec (malware)
* Rover (malware)
* Epic (malware)
* Peppy (malware)
* Cuba (malware)
* DEATHRANSOM (malware)
* Clambling (malware)
* Akira (malware)
* DarkGate (malware)
* LockBit 3.0 (malware)
* ThiefQuest (malware)
* FoggyWeb (malware)
* Hydraq (malware)
* CreepyDrive (malware)
* Caterpillar WebShell (malware)
* Elise (malware)
* USBferry (malware)
* WannaCry (malware)
* Gazer (malware)
* TSCookie (malware)
* Latrodectus (malware)
* Saint Bot (malware)
* CharmPower (malware)
* TYPEFRAME (malware)
* 3PARA RAT (malware)
* TAINTEDSCRIBE (malware)
* Royal (malware)
* Uroburos (malware)
* Metamorfo (malware)
* Spica (malware)
* Trojan.Karagany (malware)
* Bandook (malware)
* PipeMon (malware)
* TINYTYPHON (malware)
* KONNI (malware)
* Shamoon (malware)
* CORALDECK (malware)
* SPACESHIP (malware)
* BLUELIGHT (malware)
* KGH\_SPY (malware)
* down\_new (malware)
* Ixeshe (malware)
* Micropsia (malware)
* RARSTONE (malware)
* Black Basta (malware)
* ZeroCleare (malware)
* 4H RAT (malware)
* Attor (malware)
* MegaCortex (malware)
* StreamEx (malware)
* BoxCaon (malware)
* NightClub (malware)
* Akira \_v2 (malware)
* SDBbot (malware)
* RTM (malware)
* Derusbi (malware)
* StrelaStealer (malware)
* Tarrask (malware)
* GoBear (malware)
* Bazar (malware)
* Kobalos (malware)
* BadPatch (malware)
* MESSAGETAP (malware)
* SUGARDUMP (malware)
* SOUNDBITE (malware)
* MoonWind (malware)
* Ryuk (malware)
* Cryptoistic (malware)
* HermeticWiper (malware)
* ccf32 (malware)
* LockBit 2.0 (malware)
* Zebrocy (malware)
* FinFisher (malware)
* LunarMail (malware)
* WARPWIRE (malware)
* CrossRAT (malware)
* OwaAuth (malware)
* Cobalt Strike (malware)
* SUNBURST (malware)
* HotCroissant (malware)
* REvil (malware)
* Samurai (malware)
* PinchDuke (malware)
* USBStealer (malware)
* Taidoor (malware)
* Kivars (malware)
* CaddyWiper (malware)
* Cyclops Blink (malware)
* Seasalt (malware)
* TajMahal (malware)
* PLEAD (malware)
* Raccoon Stealer (malware)
* Daserf (malware)
* Cardinal RAT (malware)
* Pisloader (malware)
* GoldenSpy (malware)
* Gold Dragon (malware)
* Ramsay (malware)
* FRAMESTING (malware)
* MacMa (malware)
* FunnyDream (malware)
* ROADSWEEP (malware)
* SUNSPOT (malware)
* More\_eggs (malware)
* SysUpdate (malware)
* OutSteel (malware)
* BackConfig (malware)
* Kwampirs (malware)
* Nerex (malware)
* BoomBox (malware)
* Mango (malware)
* InnaputRAT (malware)
* WIREFIRE (malware)
* Kessel (malware)
* GrimAgent (malware)
* LookBack (malware)
* Clop (malware)
* Lokibot (malware)
* PoetRAT (malware)
* CHOPSTICK (malware)
* StealBit (malware)
* ZxShell (malware)
* NDiskMonitor (malware)
* DDKONG (malware)
* Penquin (malware)
* BabyShark (malware)
* Cannon (malware)
* Winnti for Windows (malware)
* Troll Stealer (malware)
* BLACKCOFFEE (malware)
* BFG Agonizer (malware)
* Ebury (malware)
* Kinsing (malware)
* njRAT (malware)
* ZIPLINE (malware)
* ChChes (malware)
* Manjusaka (malware)
* IceApple (malware)
* JPIN (malware)
* metaMain (malware)
* SideTwist (malware)
* Psylo (malware)
* Heyoka Backdoor (malware)
* HTTPBrowser (malware)
* LunarWeb (malware)
* XCSSET (malware)
* Octopus (malware)
* KillDisk (malware)
* AppleJeus (malware)
* SoreFang (malware)
* Industroyer (malware)
* Pcexter (malware)
* Pasam (malware)
* BADNEWS (malware)
* Linfo (malware)
* Remexi (malware)
* QakBot (malware)
* CookieMiner (malware)
* Gelsemium (malware)
* jRAT (malware)
* Helminth (malware)
* OSX/Shlayer (malware)
* Denis (malware)
* INC Ransomware (malware)
* FIVEHANDS (malware)
* AutoIt backdoor (malware)
* Dtrack (malware)
* SLOWPULSE (malware)
* Azorult (malware)
* BitPaymer (malware)
* BACKSPACE (malware)
* Zox (malware)
* UPPERCUT (malware)
* ADVSTORESHELL (malware)
* StrifeWater (malware)
* WarzoneRAT (malware)
* SLOTHFULMEDIA (malware)
* FALLCHILL (malware)
* HermeticWizard (malware)
* RemoteUtilities (tool)
* Sliver (tool)
* SILENTTRINITY (tool)
* Empire (tool)
* PoshC2 (tool)
* CSPY Downloader (tool)
* Rclone (tool)
* Remcos (tool)
* Imminent Monitor (tool)
* Forfiles (tool)
* cmd (tool)
* CrackMapExec (tool)
* Koadic (tool)
* Pupy (tool)
* QuasarRAT (tool)
* LuminousMoth (intrusion-set)
* Operation Wocao (campaign)
* Wizard Spider (intrusion-set)
* FIN7 (intrusion-set)
* Velvet Ant (intrusion-set)
* APT41 DUST (campaign)
* Dragonfly (intrusion-set)
* OilRig (intrusion-set)
* Fox Kitten (intrusion-set)
* SolarWinds Compromise (campaign)
* Lazarus Group (intrusion-set)
* Daggerfly (intrusion-set)
* TA505 (intrusion-set)
* Inception (intrusion-set)
* admin@338 (intrusion-set)
* Operation CuckooBees (campaign)
* Play (intrusion-set)
* Sandworm Team (intrusion-set)
* Turla (intrusion-set)
* Suckfly (intrusion-set)
* TeamTNT (intrusion-set)
* FIN6 (intrusion-set)
* Silence (intrusion-set)
* Patchwork (intrusion-set)
* APT28 (intrusion-set)
* Aoqin Dragon (intrusion-set)
* Darkhotel (intrusion-set)
* Ke3chang (intrusion-set)
* Volt Typhoon (intrusion-set)
* Leafminer (intrusion-set)
* Magic Hound (intrusion-set)
* Operation Honeybee (campaign)
* 2016 Ukraine Electric Power Attack (campaign)
* HAFNIUM (intrusion-set)
* APT39 (intrusion-set)
* MuddyWater (intrusion-set)
* APT38 (intrusion-set)
* APT32 (intrusion-set)
* BRONZE BUTLER (intrusion-set)
* APT5 (intrusion-set)
* Kimsuky (intrusion-set)
* Leviathan (intrusion-set)
* Mustang Panda (intrusion-set)
* RedDelta Modified PlugX Infection Chain Operations (campaign)
* Chimera (intrusion-set)
* ToddyCat (intrusion-set)
* menuPass (intrusion-set)
* Tropic Trooper (intrusion-set)
* Moses Staff (intrusion-set)
* Operation Dream Job (campaign)
* Molerats (intrusion-set)
* APT41 (intrusion-set)
* FIN13 (intrusion-set)
* GALLIUM (intrusion-set)
* C0015 (campaign)
* Winnti Group (intrusion-set)
* FIN8 (intrusion-set)
* Saint Bear (intrusion-set)
* Scattered Spider (intrusion-set)
* Windigo (intrusion-set)
* RedCurl (intrusion-set)
* Sidewinder (intrusion-set)
* Confucius (intrusion-set)
* Gamaredon Group (intrusion-set)
* Night Dragon (campaign)
* Dark Caracal (intrusion-set)
* APT3 (intrusion-set)
* Sowbug (intrusion-set)
* HomeLand Justice (campaign)
* Winter Vivern (intrusion-set)
* Cutting Edge (campaign)
* Lotus Blossom (intrusion-set)
* APT18 (intrusion-set)
* KV Botnet Activity (campaign)
* CopyKittens (intrusion-set)
* Star Blizzard (intrusion-set)
* PROMETHIUM (intrusion-set)

## Affected Products

* cpe:2.3:a:ibm:db2\_universal\_database:7.1:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:ibm:db2\_universal\_database:7.2:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:ibm:db2\_universal\_database:8.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:ibm:db2\_universal\_database:8.1:\*:\*:\*:\*:\*:\*:\*