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Home **»** Research **»** Windows Credentials Editor (WCE)

Windows Credentials Editor

Windows Credentials Editor (WCE) is a security tool to list logon sessions and add, change, list and delete associated credentials (ex.: LM/NT hashes, plaintext passwords and Kerberos tickets).

This tool can be used, for example, to perform pass-the-hash on Windows, obtain NT/LM hashes from memory (from interactive logons, services, remote desktop connections, etc.), obtain Kerberos tickets and reuse them in other Windows or Unix systems and dump cleartext passwords entered by users at logon.

WCE is a security tool widely used by security professionals to assess the security of Windows networks via Penetration Testing. It supports Windows XP, 2003, Vista, 7, 2008 and Windows 8.

Current version

WCE v1.42beta (32-bit) **(download)**
WCE v1.42beta (64-bit) **(download)**
WCE v1.41beta (Universal Binary) **(download)**

Previous versions

WCE v1.41beta (32-bit) **(download)**
WCE v1.41beta (64-bit) **(download)**
WCE v1.4beta (32-bit) **(download)**
WCE v1.4beta (64-bit) **(download)**
WCE v1.4beta (Universal Binary) **(download)**
WCE v1.3beta (32-bit) **(download)**
WCE v1.3beta (64-bit) **(download)**
WCE v1.21 (64-bit) **(download)**
WCE v1.2 (32-bit) **(download)**
WCE v1.2 (64-bit) **(download)**
WCE v1.1 (32-bit) **(download)**
WCE v1.0 (32-bit) **(download)**

FAQ

Frequently Asked Questions (FAQ) available **here**.

Contact

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WCE Internals
Presentation explaining the inner workings of WCE v1.1 including how Windows XP,2003,7,Vista and 2008 store credentials in memory, describing undocumented structures found via reverse engineering, encryption algorithms used to encrypt credentials and how to recover encryption keys and IVs to decrypt NTLM credentials.

RootedCon 2011 (download)

Post-Exploitation with WCE
This presentation describes the techniques WCE brings to penetration testers and how these can be used in different scenarios. Although originally targeted to college students studying information security, you might find useful information you didn't know about even if you are an experienced user of WCE or penetration tester.

UBA 2011 - Spanish (download) - English (download)

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WCE v1.42beta 64bit
WCE v1.42beta 32bit
Post-Exploitation with WCE
ASP.NET Padding oracle Attack POC exploit (MS10-070)
ASP.NET Auto-Decryptor File Download PoC Exploit (MS10-070)

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WCE F.A.Q.
Exploiting BASH Remote Code Execution Vulnerability (CVE-2014-6271)
Java 7 Update 10 0-Day Vulnerability (CVE-2013-0422)
A Padding Oracle Attack Implemented in Javascript

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Exploiting Apache Struts ExceptionDelegator Vulnerability (CVE-2012-0391)
ASP.NET Padding Oracle attack PoC exploit video
Using GTT to download files from an isolated Citrix environment