

Unpacking Gootkit Malware With IDA Pro and X64dbg - Subscriber Request

Published: 2018-03-04 · Archived: 2026-04-05 18:24:23 UTC

Open Analysis Live! We use IDA Pro and x64dbg to unpack a recently packed Gootkit malware (stage1). This was a subscriber request asking us to determine how this was packed. Video bookmarks to skip ahead... ----- OALABS DISCORD [/ discord](#) OALABS PATREON [/ oalabs](#) OALABS TIP JAR <https://ko-fi.com/oalabs> OALABS GITHUB <https://github.com/OALabs> UNPACME - AUTOMATED MALWARE UNPACKING <https://www.unpac.me/#/> -----

- Deobfuscating strings with IDA Python [5:15](#)
- Identify anti-analysis tricks after string deobfuscation [9:03](#)
- Mutex trick [14:40](#)
- CreateFile ShareMode trick [17:33](#)
- Fully unpacking with x64dbg [20:25](#)
- Searching for PE in memory using x64dbg [23:24](#)
- Carving PE files from a memory dump with a hex editor [26:24](#)
- Final overview of the whole process [27:59](#)

Packed sample: Sha256: 38933984f5ff8b71c054d1c1155e308ac02377b89315ef17cea859178a30dbab
<https://malshare.com/sample.php?actio...> Unpacked Gootkit (stage 1): Sha256:
e61082d8f711d775b5c427af649c64ab50fac695f334720dca467598c5817b7a <https://malshare.com/sample.php?actio...> x64dbg: <https://x64dbg.com/#start> IDA: <https://www.hex-rays.com/products/ida...> Packer string decryption script (IDAPython): <https://gist.github.com/herrcore/4731...> Tutorial examining the CreateFile share anti-analysis trick: [• Unpacking Process Injection Malware With I...](#) Feedback, questions, and suggestions are always welcome :) Sergei [/ herrcore](#) Sean [/ seanmw](#) As always check out our tools, tutorials, and more content over at <http://www.openanalysis.net>

Source: <https://www.youtube.com/watch?v=242Tn0IL2jE>