

REDBALDKNIGHT/BRONZE BULTER's Daserf Backdoor Now Using Steganography

Appendix




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Joey Chen and MingYen Hsieh
Threat Solution Team
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Indicators of Compromise (IoCs)

Hashes related to REDBALDKNIGHT/
BRONZE BULTER's decoy documents (SHA256):

Hash	Trend Micro Detection
5fcd3ecc594fbd2a45dac8e3c547cc191e77e4f2d27368603010d74320507a5d	TROJ_TARODROP
b649fba2dd727cf326850e4f435f515b2485c9311f7fb0cdfab5dea403e4ae7f	
22efd7bef2fae9ae8b8393d4910880cb50202631472ade48fb25a3e802e6150f	

Hash related to XXMM's steganography builder:

Hash	Trend Micro Detection
27f3a4c757f6e81a0546e47b97cbaab5e5e2b82a6ec2694641cd41ec47b90766	TROJ_STEGOBUILDER.ZKEK

Hashes related to REDBALDKNIGHT/
BRONZE BULTER's Daserf backdoor (SHA256):

SHA256	Version Number	Trend Micro Detection
8a22a6b52620d0d1beadba866b32ea3ae7d3ac2619717957ed7b867cb47fe005	Mini Edition Version:1.3G	BKDR_DASERF.ZKEI
1d5f1b6f9618cde91d7443599a2220d477a7190a6be6c48259d2224e52268815	Version:1.40C	
8e8742d6a802c7e56f2f223cf3cff0ac18e77cc6aa96d0b306e5d23220736bd5	Version:1.26A	
fe8f9d5eb5fbce0cdefdc9adb32c59fa8a7c630344a5340cffef09e5ceefc273	Version:1.50I Mini	
f8458a0711653071bf59a3153293771a6fb5d1de9af7ea814de58f473cba9d06	v1.40 Mini	
5c3ca904c979a2adaa201e1de76e857237357edd9842e82af2f40555df633ee0	Version:1.40B	
2a6bcb1a5262fc7d93ef533ee98979a75e958468be3c5e395b09e02fc150f08c	Version:1.3J	
9b3f263b3ad2b262ed43c4b16454ea3890658b76a8b0e25a2808a2f6610a07ad	JustInject Edition Version:1.3J	
446e71e2b12758b4ceda27ba2233e464932cf9dc96daa758c4b221c8a433570f	Version:1.40D	

SHA256	Version Number	Trend Micro Detection
dfbd7754d0895b6340a7beb6ad2e5eec3bc8043e23debe63537f179b1f14dcd2	Version:1.3G	BKDR_DASERF.ZKE
b1690facbce9bcc66ebf18f138dbbc10c3662a2034c211e0c414e47c7e208b4a	Version:1.50A	
b1fdc6dc330e78a66757b77cc67a0e9931b777cd7af9f839911eecb74c04420a	v1.51 Mini	
4681e3556c6b4fbcf1bdd7ed18af3ab7fd4b27bb94a92cef735a8263c831265a	Version:1.50C	
7afb8082822bf3e55c6639ed2e272846c6be0e5c1fd40402b8b0f69e37402461	v1.91 Mini	
01d681c51ad0c7c3d4b320973c61c28a353624ac665fd390553b364d17911f46	Version:1.40C	
fa9a3341649e798bbc340ce9b2fe69791fe733aa9e46da666ce13b8cf7ca8f4d	Version:1.14.02.180Z Mini	
0d4860468a5eb86f7b30f012f176c9a67388f7e0fe0a88ffa3f5702af3d1118	Version:1.40D	
63cf1aba54cdf8c48ce4b2aafae745890d91b4c8582abebc1d2ed7cd18f47dc	Version:1.50A Mini	
04080fbab754dbf0c7529f8bbe661afef9c2cba74e3797428538ed5c243d705a	v1.40	
7dfaf8090b94cf737617dd4d5ceb2849447f54db6a6da4880cd18dd9bbf8b320	Version:1.50H Mini	
b0966e89eae36a309d89a0c15c8a07677f58130fdc76bc98c16968376ec80626	v1.90 Mini	
22e1965154bdb91dd281f0e86c8be96bf1f9a1e5fe93c60a1d30b79c0c0f0d43	v1.43	
33a2a7d229d0917224c5972358597bf2fc354d97a1976081a9312c77387c2a15	Version:1.50Z	
4b8ca82e6f407792cfb51de881f06b86bd4b59f85746b29c3287aee0015b1683	Version:1.50J Mini	
d904b65e23217b5b875b3488a5e0f86970931cd29f57ec993d3c34a907c00395	Version:1.40A Mini	
ccc0f0df164336f5fc394274e54fc08c3cb92e1e849b3dd3bce72f23a277ad3e	Version:1.3K	
c7fc0b109663e9334f0547930a10840d68952889a043095d1e48f3d8a2e0b5e4	Version:1.50D	
7b01a4197228c51e245781e6ad74a269bade4026fe7f6f6e430af8dc31dda841	Version:1.28B	
b705eb3afac0782f1d808b9c4e5029fc3744e07c831114da91f9cca4f1dbe0ad	JustInject Edition Version:1.3F	
5abd15f9ba639468c0bd1799af9b36ea8b9a42cd9faea02dc02dc4125308f97c	Version:1.26A	
9213a16e55d283d9d3f8a0377fa01f0b49abc81b4eecd7f41a30f2aeefea82f1	Version:1.27C	
15abe7b1355cd35375de6dde57608f6d3481755fd9c9e71d2bfc7c7288db4cd92	Version:1.50A Mini	
a51e4d5810182b75374e467c844141672ffb5a54a3fea781cc5aa58086cf7f07	Version:1.26A	

SHA256	Version Number	Trend Micro Detection
34251fe49998c20e18964056578c4e171e5337dbfc eb40471bbf42cf78053bed	Version:1.3A	BKDR_DASERF.ZKE
2dc24622c1e91642a21a64c0dd31cbe953e8f77bd 3d6abcf2c4676c3b11bb162	Version:1.50G Mini	
e2fd17445d81df89f7a9c1ff1c69c9b382215f597db 5e4730f5c76557a6fd1f9	Version:1.50K Mini	
0a031665d05e82038d620facf9d4a86a89e78544f2f 770f579c980dae2e252bf	Version:1.50K Mini	
337834f13f6b6a290f997102cce604f395fdc3be510 b0db590f6298005cd3144	Version:1.40B	
5ede6f93f26ccd6de2f93c9bd0f834279df5f5cfe345 7915fae24a3aec46961b	v1.76 Mini	
f06b440052bd2c2eb127c33c35a80c4eca34a0636 0d3ee1bb37348d6029dc955	Version:1.14.02.180Z Mini	
03a981039c48fc04a36aceae2d568ad3998aede56 2e276556cb279e7a56dfadf	Version:1.50G Mini	
52f07f619e24d38681fb0d8dddc39027ea73a35f28f eb2a10d0c5e1830dc45e1	Version:1.26Z	
b1bd03cd12638f44d9ace271f65645e7f9b707f86e 9bcf790e0e5a96b755556b	v1.415 8M	
a727a9f5ec1b9e2083ab0d14b5dc139fae4e9ca455 b74c3594ba0e25659a5d61	Mini Edition Version:1.3K	
56750cd75e9bc6c278faefd0bd8e0b83027212f509 693c5ed7952257c9079474	Version:1.50G Mini	
a4afd9df1b4cc014c3a89d7b4a560fa3e368b02286 c42841762714b23e68cc05	Version:1.50G Mini	
837ab755bbf8eaaaa8aea077b1228978eb888c3b9 b1ab420666c5477385e884c	Version:1.3G	
89a80ca92600af64eb9c32cab4e936c7d675cf8154 24d72438973e2d6788ef64	v1.413	
e2f174f8368b46054e6ec2feec00b878b63e331ba3 628374d584b238a95fd770	v1.91 Mini	
0ae1996e75ac11fadcc30f42a6ba0bf8c4afae7f75d d5ab4e0d03d6ecf095615	Mini Edition Version:1.3J	
f2d4f3ef28f5c8aea46a9a07a2e08e1a1d2d4dd6d54 16d264c2a78ce1972ea88	Version:1.26C	
9c7a34390e92d4551c26a3feb5b181757b3309995 acd1f92e0f63f888aa89423	v1.41	
0ad4e43b784a50a51d682b7049715057e691bddfc 2e38ace4270fec1e1784273	Version:1.3H	
2a39372dea901665ab9429d2f15b3f4fb10706423e 177226539047ee1ac3e4a3	Version:1.15.11.26TB Mini	
e8edde4519763bb6669ba99e33b4803a7655805b 8c3475b49af0a49913577e51	v1.40 Mini	
a43004b96a9f221b33c85d910af1c288e772423b08 268bf539aeb52044a9244	Version:1.3F	
4b64b2a784644f63d3be14d7c45ecfbf0e135fb080 bdcf52f0b6c86e8f16bf48	v1.72 Mini	

SHA256	Version Number	Trend Micro Detection
db8b494de8d897976288c8ccee707ff7b7967fb48caef99d75687584191c2411	Version:1.50K Mini	BKDR_DASERF.ZKE
4e7352c64ee4de99bb6a6a4259a2f0d1ffc717a223b81c945ff992ff4d26a986	Version:1.26A	
f8f31f73157bf049b318429c1d60ad7ff2851e62535d95cf8d121216b95c8602	Version:1.50A	
236848e301d71cab6e17a0503fb268f25412838eccb5fb17e78580d2d0a3a31d	v1.76 Mini	
85544d2bcfa8e6ca32bbc0a9e9583c9db1dce837043f555a7ff66363d5858439	Version:1.50A Mini	
24a15f36c82433ce505aa839db46e9cc833de4c7777dd986bc421d4524b71173	Version:1.40B	
5984d4e01a025aff902b2e9df9405b7772fb8a4bf1e717ef111af5017e0bc285	Version:1.40A Mini	
94a9a9e14acaac99f7a980d36e57a451fcbce3bb4bf24e41f53d751c062e60e5	v1.91 Mini	
c4e02d0a3f0ca0caf9ec011e37f084d7b33c679512a6fd7a2ba9b077c85ae2db	Version:1.40C	
f4e7b20291d80e01d0d349d31a921c3243a3dfd412e56e7ab819cda4a2a374b0	Version:1.50J Mini	
21111136d523970e27833dd2db15d7c50803d8f6f4f377d4d9602ba9fbd355cd	v1.40 Mini	
e4c7832101280b6900f91a9468b79b828708e0b87f13a655aa0ec1b03cea7c83	Version:1.3	
216f64207d04d1aa8ac7ed36ff8ab9e79cf50376e91a3a03200fd4bceed67267	Version:1.3E	
b03c6c4b349b1dd56636ab314bf3ffd11de0b3c459c6326613684053498cf619	Version:1.28B	
2bdb88fa24cffba240b60416835189c76a9920b6c3f6e09c3c4b171c2f57031c	Version:1.50A Mini	
421ff96f145ccb0b45404453a1591cb8ddced9d745fa69eef8ce20ea4ee5dfa	Version:1.3K	
b6f7bd0bf5c21a2579bc36f483906f7cc02984249ad47a6461ebc6ac9bc8890b	Version:1.26B	
db6a6a4f675cba87405c9c7b016713d3e65b052ffc6c8963764a3d3788f432fa	Version:1.50H Mini	
cd90180f256416b7bd4fac9d882ff66b248a1bca7a283777a9175eb225481f21	Version:1.50J Mini	
c6000c00fde81d58e63829374664151ac4c568252003fbe7d3fc742c6bd48d21	Version:1.40D Mini	
41679622e34ab635eb63d48bae021dc25d861c0fd58adb6066ac5f7d5fab52df	v1.41	
6682a7a898b41cf0b24cab1eedd76b0e062d9677c8e408ee9f60736815ee4e3f	Version:1.15.1, 1.26TB Mini	
68b59f65665677f77ad2a3c8f0cb565c38ee098aac1a71618442dbe0835d8a3	Version:1.50F	
2c449b562dfce53cf98acaddf37286cfb2d1e9da1536511a08bbd24ed93624a6	v1.75 Mini	



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