

# Threat Group Cards: A Threat Actor Encyclopedia

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## Tool: Byeby

Names	Byeby
Category	<a href="#">Malware</a>
Type	<a href="#">Backdoor</a>
Description	<p>(<a href="#">Palo Alto</a>) BYEBY was named based on a string within the malware itself. Most strings found within this malware are concatenated to 6 characters. One such example was an instance where a debug string contained 'BYE BY', which was likely a concatenated form of the phrase 'BYE BYE'.</p> <p>This malware is loaded as a DLL, with an export name of ServiceMain.</p> <p>The malware is configured to accept a number of commands. These appear to be Base64-encoded strings that, when decoded, provide their true meaning. Only the beginning of the commands are checked. The Base64-decoded strings have been included for the benefit of the reader.</p>
Information	< <a href="https://unit42.paloaltonetworks.com/unit42-threat-actors-target-government-belarus-using-cmstar-trojan/">https://unit42.paloaltonetworks.com/unit42-threat-actors-target-government-belarus-using-cmstar-trojan/</a> >
Malpedia	< <a href="https://malpedia.caad.fkie.fraunhofer.de/details/win.byebby">https://malpedia.caad.fkie.fraunhofer.de/details/win.byebby</a> >

Last change to this tool card: 23 April 2020

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## All groups using tool Byeby

Changed	Name	Country	Observed
<b>APT groups</b>			
	<a href="#">Calypso</a>		2016-Aug 2021

	<a href="#">Vicious Panda</a>		2015-Mar 2020	
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*2 groups listed (2 APT, 0 other, 0 unknown)*

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Source: <https://apt.etda.or.th/cgi-bin/listgroups.cgi?u=8ba1c2a6-3d3d-4dc7-82b4-6fb1913021ac>