



## NTP Mode 6

You may have recently received a letter and/or email from Sunrise explaining that we have been notified that a device on your network has a vulnerability known as a Network Time Protocol Mode 6 vulnerability (NTP Mode 6). If you have received such a communication from us, please follow the advice given on this page to resolve the issue.

Note: This article is intended to provide advice. Sunrise is not responsible for any issues encountered in the course of resolving the issue and is not able to provide any technical support for such problems.

### Overview

There exists a design flaw in NTP servers that can allow attackers to perform Distributed Denial of Service (DDoS) attacks against target machines. A remote attacker can leverage this flaw by sending a specially crafted request to an affected NTP server.

### What has happened?

We work with a number of not-for-profit organisations across security sectors that collate information on devices across the Internet that appear to be compromised or misconfigured.

We suspect a device connected to your home network may have an NTP mode 6 vulnerability.

For more information on these reports please visit [ntpscan.shadowserver.org](https://ntpscan.shadowserver.org)

If the settings are left open they can be exploited to unwittingly participate in malicious activities, for example a Distributed Denial of Service (DDoS) attack.

It is therefore important that you follow the advice in this article.

### What can I do about it?

Once you have identified the source of any issue within your home, you should upgrade to NTP-4.2.7p26 or later.

To resolve this vulnerability we would request that you check your router settings and all of your devices to ensure that TCP/UDP port 123 (NTP) is closed. The precise method for doing this will depend upon your model and operating system of your device.

### Internet Matters

Sunrise is a Co-Founder and Member of iBarry.ch: a not-for-profit organisation working with online safety experts to bring you all the information you need to help keep you and your children safe online.

For more information about iBarry, please visit <https://www.ibarry.ch/en/>