部分大型DNS業者將於2019年2月1日執行EDNS符合性驗證

從二月開始不回應EDNS的DNS server將會無法查詢

在「DNS Flag day」這邊看到EDNS的workaround。

目前的workaround是在DNS server對於EDNS查詢沒有回應時，就改用不帶EDNS的查詢再問一次，以確保相容於不支援EDNS而且會直接通通掉這些封包的環境。

而從今年二月開始，這個workaround將會被拿掉，當帶EDNS的查詢沒有回應時就直接當作伺服器死掉，不會再用沒有EDNS的查詢問一次。

Cloudflare、Google、IBM等大型公共DNS業者(如提供1.1.1.1、8.8.8.8、9.9.9.9等業者)均預計將於2019年2月1日當天嚴格執行EDNS的符合性驗證。相關EDNS介紹，可參閱：http://www.myhome.net.tw/2011_03/p03.htm。

目前DNS的一些額外功能，如DNSSEC、DNS Cookie等大量使用EDNS協定，如DNS軟體或網路設備不支援EDNS協定將造成DNS無法順利解析或解析反應緩慢。

想要了解你的DNS伺服器是否完整支援EDNS協定，可至https://dnsgoodday.net/進行檢測，並參閱相關解決方案。

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下方可以查出達成協定的業者包括了Google與Cloudflare，可以預期8.8.8.8、8.8.4.4與1.1.1.1、1.0.0.1都會進行更新。

網站上面有可以查詢的工具，剛剛查了一下以前的公司與競爭對手，發現1111.com.tw看起來還在線，不知道二月前會不會修正這個問題... XD
請管理單位到以下網址，測試並了解單位 DNS 是否支援？

DNS resolver operators

On or around Feb 1st, 2019, major open source resolver vendors will release updates that implement stricter EDNS handling. Specifically, the following versions introduce this change:

- DNS 9.13.3 (development) and 9.14.0 (production)
- Knot Resolver already implemented stricter EDNS handling in all current versions
- PowerDNS Recursor 4.2.0
- Unbound 1.3.0

Also public DNS providers listed below will disable workarounds.

DNS server operators

For introduction to EDNS compliance we recommend you to use a simplified result for a whole domain.

It is also possible to test your DNS servers directly using the tool ednscomp which displays detailed technical report. Simply enter the name of a zone hosted on your DNS servers into the zone name field and click the Submit button.

The summary result of ednscomp tests should preferably be a green message AT1 OK.

Minimal working setup which will allow your domain to survive 2015 DNS flag day must not have a timeout result in any of plain DNS and EDNS version 0 tests implemented in ednscomp tool. Please note that this minimal setup is still not standards compliant and will cause issues sooner or later. For this reason we strongly recommend you to get full EDNS compliance (all tests ok) instead of doing just minimal cleanup otherwise you will have to face new issues.

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What is happening?

The current DNS is unnecessarily slow and suffers from inability to deploy new features. To remediate these problems, vendors of DNS software and also big public DNS providers are going to remove certain workarounds on February 1st, 2019.

This change affects only sites which operate software which is not following published standards. Are you affected?

Domain owners

Please check if your domain is affected:

Test your domain
Domain name (without www): edu.tw Test!

Testing completed:
edu.tw: All Ok!

All OK

This domain is perfectly ready, congratulations!
What is happening?
The current DNS is unnecessarily slow and suffers from inability to deploy new features. To remediate these problems, vendors of DNS software and also big public DNS providers are going to remove certain workarounds on February 1st, 2019. This change affects only sites which operate software which is not following published standards. Are you affected?

Domain owners
Please check if your domain is affected:

Test your domain
Domain name (without www): ntu.edu.tw
Testing completed:
ntu.edu.tw! Serious problem detected!

問題～
2/1 起會無法查詢

詳細問題～
What is happening?

The current DNS is unnecessarily slow and suffers from inability to deploy new features. To remediate these problems, vendors of DNS software and also big public DNS providers are going to remove certain workarounds on February 1st, 2019.

This change affects only sites which operate software which is not following published standards. Are you affected?

Domain owners

Please check if your domain is affected:

Test your domain
Domain name (without www): ncnc.edu.tw

Testing completed: ncnc.edu.tw: Minor problems detected!
What is happening?

The current DNS is unnecessarily slow and suffers from inability to deploy new features. To remediate these problems, vendors of DNS software and also big public DNS providers are going to remove certain workarounds on February 1st, 2019. This change affects only sites which operate software which is not following published standards. Are you affected?

Domain owners

Please check if your domain is affected:

Test your domain

Domain name (without www): [ncu.edu.tw]  Test!

Testing completed: [ncu.edu.tw] Fatal error detected!

This domain is going to STOP WORKING after the 2019 DNS flag day! Please retry the test to eliminate random network failures. If the problem persists you really need to request a fix from your domain administrator. You can refer them to https://dnsflagday.net/ and

問題～

2/1起會無法查詢