Minded Security Blog: Http Parameter Pollution a new web attack category (not just a new buzzword :p)

Minded Security Blog: Http Parameter Pollution a new web attack category (not just a new buzzword :p) - Stefano Di Paola, blog.mindedsecurity.com.

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Content

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(http://3.bp.blogspot.com/_5TMxqPSTp9k/ShKbjCRKPrI/AAAAAAAABEc/pfMBHGxGlzs/s1600-h/ikki_wisec.jpg)On May 14th @ OWASP Appsec Poland 2009, me & Luca Carettoni presented a new attack category called Http Parameter Pollution (HPP).

HPP attacks can be defined as the feasibility to override or add HTTP GET/POST parameters by injecting query string delimiters. It affects a building block of all web technologies thus server-side and client-side attacks exist. Exploiting HPP vulnerabilities, it may be possible to:

- Override existing hardcoded HTTP parameters.
- Modify the application behaviors.
- Access and, potentially exploit, uncontrollable variables.
- Bypass input validation checkpoints and WAFs rules.

Just to whet your appetite, I can anticipate that by researching real world HPP vulnerabilities, we found issues on some Google Search Appliance front-end scripts, Ask.com, Yahoo! Mail Classic and several other products.

You can download the slides of the talk here (pdf) or browse it on Slideshare.

Also, we'll soon release a whitepaper in order to clarify all details about HPP.

As last news, in a few days the video of "Yahoo! Classic Mail" exploitation of Client Side HPP will be available on this blog. So...stay tuned!
