Zend_Whois - Ben Scholzen

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Zend Framework: Zend_Whois Component Proposal

Proposed Component Name	Zend_Whois
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Whois
Proposers	Ben Scholzen (lead) Simone Carletti (contributor) Alexander Veremyev (Zend Liaison)
Revision	1.0 - 6 September 2007: Initial proposal 1.1 - 29 December 2007: Proposal rewrite 1.2 - 30 December 2007: Zend_Whois_Result added 1.3 - 13 January 2008: Finalized proposal (added support for Zend_Uri and last improvements) (wiki revision: 24)

Table of Contents

1. Overview

Zend_Whois is a component to simply check the availability of domain names and ip addresses and fetch whois server responses about them.

2. References

- RFC 3912

3. Component Requirements, Constraints, and Acceptance Criteria

- This component **will** check for registration availability of domain names.
- This component **will** allow fetching of server responses.
- This component **will not** return specific data about domain owners (as a first version), as the output varies from most of the whois

servers.
- This component **will** allow caching results via Zend_Cache.
- This component **will** be customizable. It will shipped with a default list of whois server that can be completely overwritten or customized.
- This component **will** allow querying multiple domains simultaneously through a non-blocking socket.

4. Dependencies on Other Framework Components

- Zend_Exception
- Zend_Cache
- Zend_Uri
- Zend_Config (as soon as this component will correctly support XML attributes)

5. Theory of Operation

Zend_Whois will take a Zend_Whois_Config as constructor arguments.
If empty, default configuration set will be loaded from XML.

Once you have a valid instance, it can then be used to either get a whois response from a whois server or to check whether given domain is available.
The former returns a full whois response, the latter only true/false according to whois response.

Domain name can be one of the following formats:

- string, just the domain name (zend.com)
- string, full host name (framework.zend.com, zend.com, http://framework.zend.com)
- string, full path (framework.zend.com/path, zend.com/path, http://framework.zend.com/path)
- Zend_Uri instance

Regardless the format, internally Zend_Whois will handle all host names as an instance of Zend_Uri.
Depending on Zend_Uri Improvements - Shahar Evron proposal implementation, Zend_Uri instance will use http schema or a custom one.

6. Milestones / Tasks

- Milestone 1: [DONE] Creating base class
- Milestone 2: [DONE] Supporting all major Top-Level-Domains
- Milestone 3: [DONE] Checking current state into http://zend_whois.svn.dasprids.de/
- Milestone 4: [DONE] Finalizing the proposal and making it ready for review
- Milestone 5: Proposal acceptance and import of current prototype to incubator SVN
- Milestone 6: Unit tests exist and development.
- Milestone 7: Documentation

7. Class Index

- Zend_Whois
- Zend_Whois_Exception
- Zend_Whois_Config
- Zend_Whois_Result

8. Use Cases

9. Class Skeletons

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