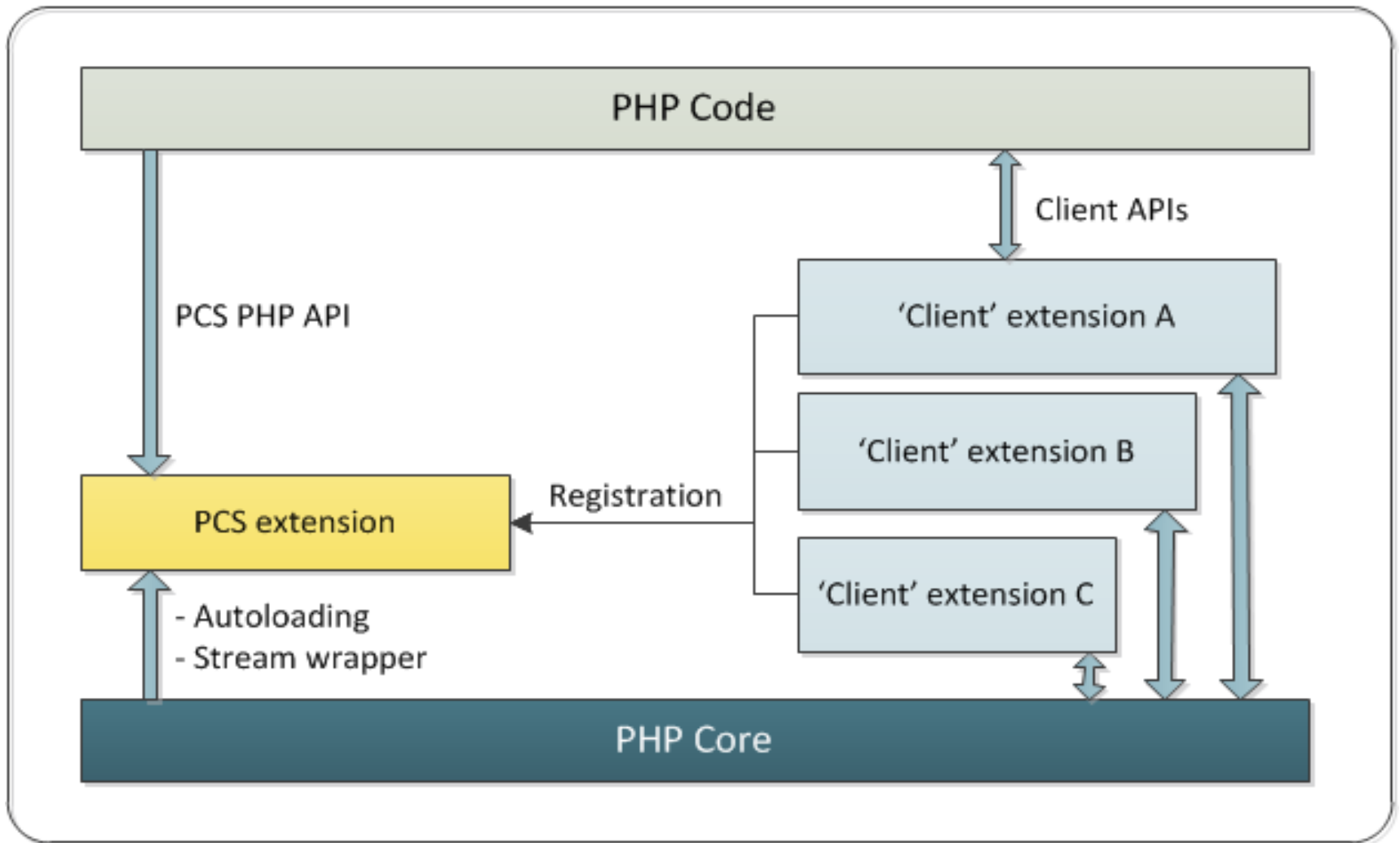# A short introduction to the PHP Code Service (PCS)

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What is PCS ?

- A PHP extension
- A service for other extensions ('clients')
- It allows extensions to program part or all of their code in PHP

PCS architecture

Interactions

- Script registration is the essential interaction

- Happens at MINIT time

- In most case, no interaction between client extensions and PCS after MINIT

Services

- Handles script autoloading

- Provides a 'pcs://' virtual tree to access non-autoloaded files

- Exposes a thin PHP API for special cases, introspection, and completeness

Key benefits

- Adding PHP code to an extension is very easy
- Autoload preserves performance
- Class names extraction from PHP code at registration time
- In most cases, no interaction after MINIT
- Supports embedded and/or external file trees

TODO / Roadmap

- Compatibility with opcache

- Extend autoload to functions and constants (?)

- Create a PHP introspection API in Reflection

- Include in the PHP core distribution (7.1 ?)

Want more ?

http://pcs.tekwire.net