

# test2wiki k8s migration

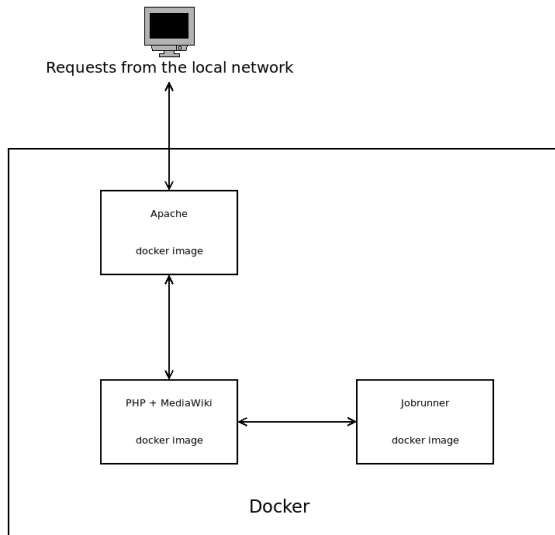
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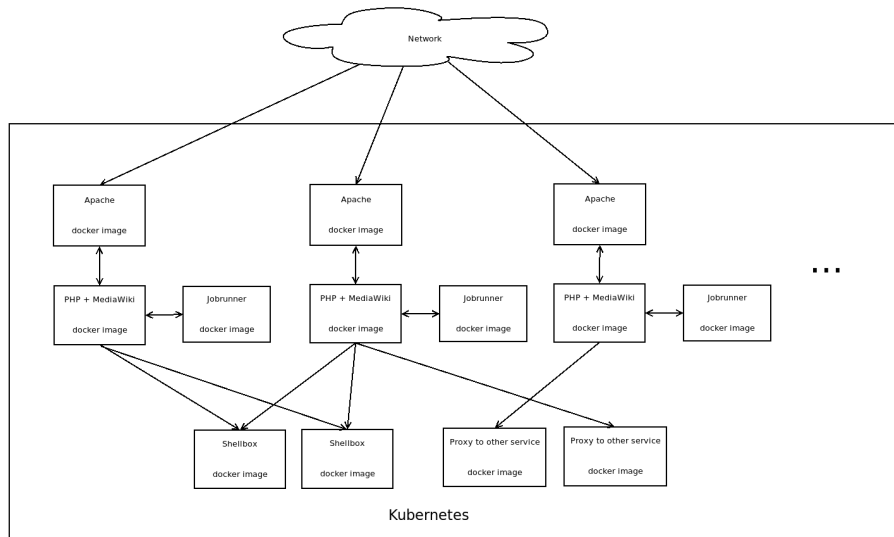
## Note

“k8s” is just an abbreviation of “Kubernetes”, they are used interchangeably.

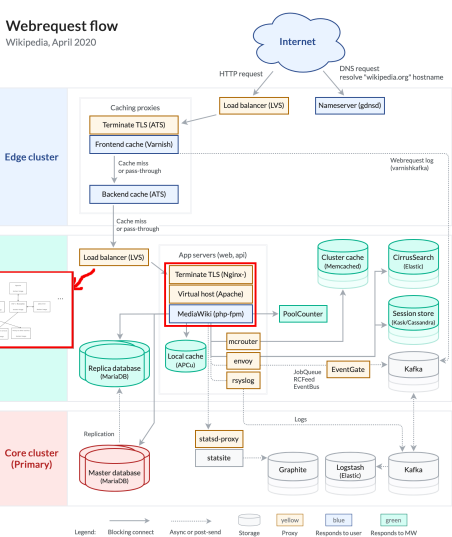
# What is docker?



# What is kubernetes?



# How will it exist in our existing infrastructure?



# What are the risks (as I see them)?

- ▶ Do the individual docker images function?
  - ▶ MediaWiki + extensions
  - ▶ Back-end processing (Jobs, Deferred updates)
  - ▶ External binaries (Shellbox)
- ▶ Do the docker images have access to the appropriate resources inside Kubernetes?
  - ▶ What features rely on other resources like files, keystores, etc.
- ▶ Do the docker images contest for resources inside Kubernetes?
- ▶ Does it have access to resources outside Kubernetes?
  - ▶ Things inside our ecosystem but outside Kubernetes (e.g. database, APIs, Parsoid)
  - ▶ External services (outside our ecosystem)
- ▶ Reliability, performance, load, stress...

# What we should probably not worry about

- ▶ Anything UI-related
- ▶ Anything not hosted on production (e.g. things hosted on toolforge or VPS)

# How to...

Find pre-existing automated tests

- ▶ If you checkout the extension, it should have a subfolder called “tests”.
- ▶ In particular, where it has “tests/selenium”.



# How to...

Find out if my feature/extension does back-end processing (WIP)

- ▶ Ask the developers!
- ▶ For DeferredUpdates: search in the code of your feature/extension for the term “DeferredUpdates”.
- ▶ For Jobs/Job queue: search in the code for “JobQueueGroup”.
- ▶ You can use <https://codesearch.wmcloud.org>, which will allow you to refine your search to specific repositories.

# How to...

Find out if my feature/extension uses external binaries (WIP)

- ▶ Ask the developers!
- ▶ Search in the code of your feature/extension for the term “Shell”.
- ▶ You can use <https://codesearch.wmcloud.org>, which will allow you to refine your search to specific repositories.