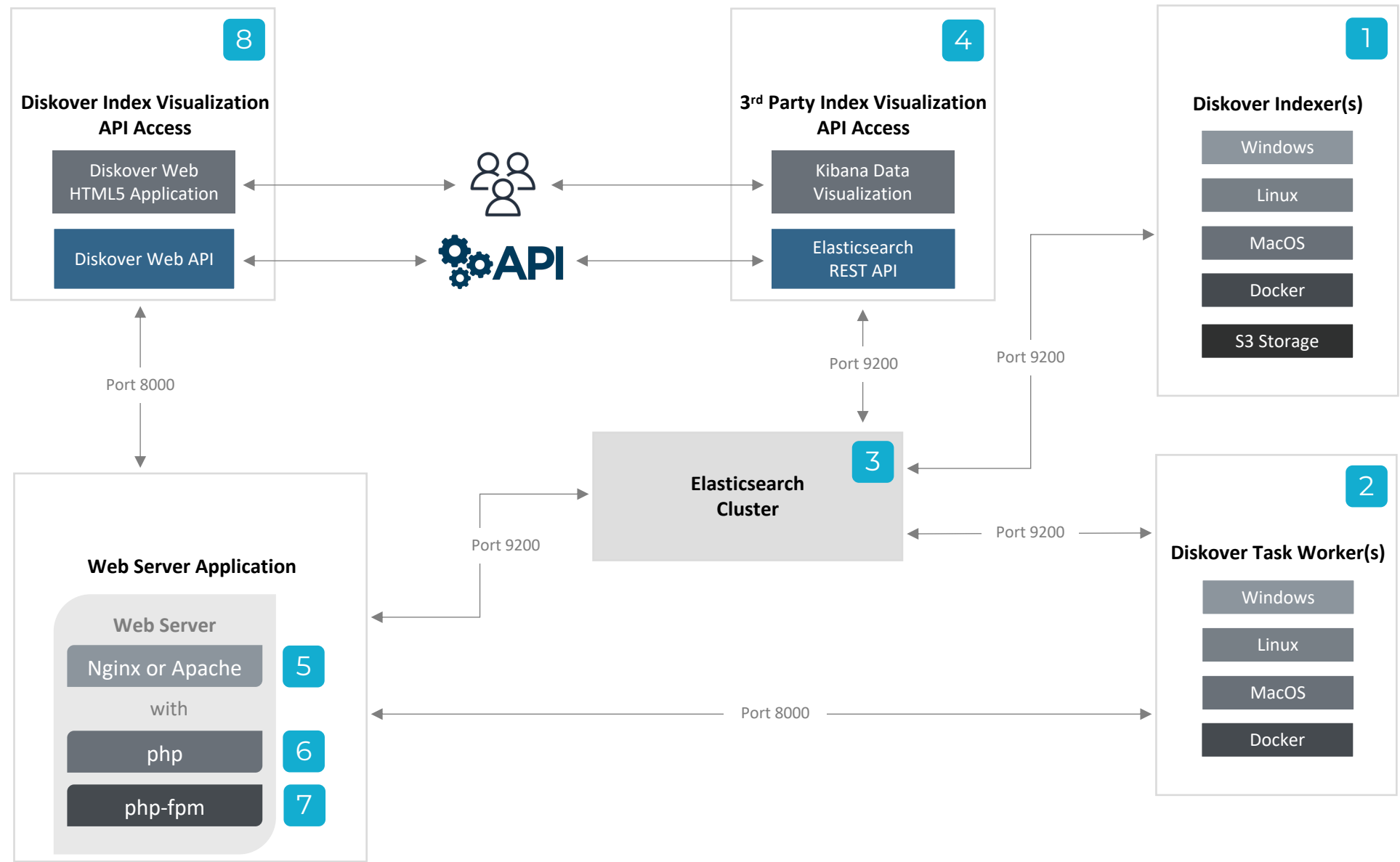


Diskover Architecture Reference Diagram



- 1 Discover Python-based **index jobs** inventory filesystem(s) and create an index/indices within Elasticsearch.
- 2 **Optional** post-index jobs can enrich the index. For example, calculate file checksums for the purpose of duplicates analysis.
- 3 All index and post-index jobs authenticate to **Elasticsearch** to create and enrich index/indices.
- 4 **3rd party applications** or reporting tools like Kibana that support Elasticsearch can be configured to authenticate directly to Elasticsearch indexes or API's.
- 5 Common web serving applications like **NGINX** or **Apache** can be used for the purposes of serving the Diskover Web HTML User Interface.
- 6 The Diskover Web application is developed in **php**, a server-side scripting language.
- 7 **php-fpm** (FastCGI Process Manager) is a web tool used to speed up the performance of the Diskover Web application.
- 8 The **Diskover Web** application or the Diskover Web API can be used for viewing or enriching indexes stored in Elasticsearch.