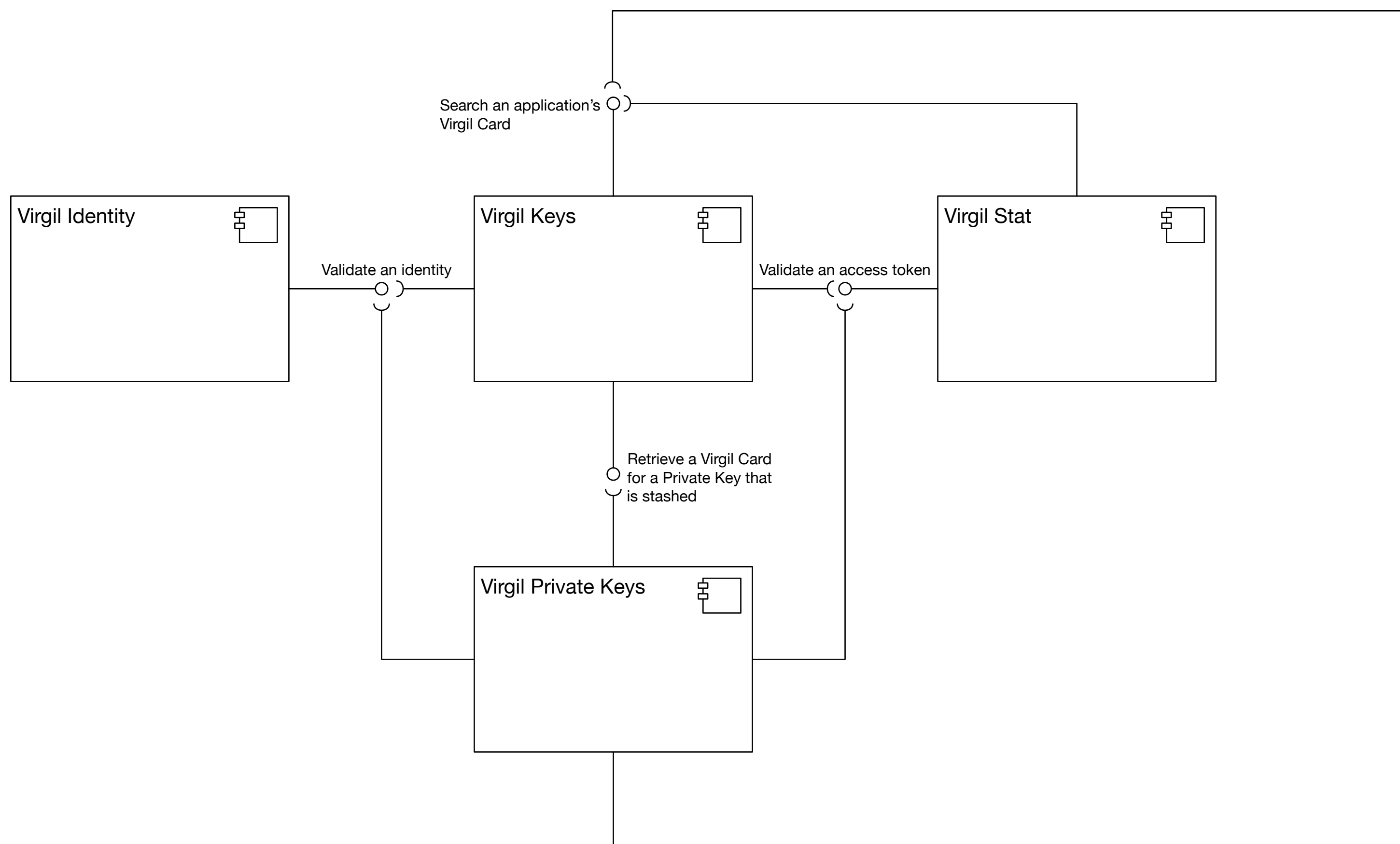


Virgil web services component diagram



Legend

Virgil Identity web service exposes an endpoint to validate a user’s Identity inside of the Virgil Security’s infrastructure. So only **/validate** endpoint is used by the **Virgil Keys** and **Virgil Private Keys** web services.

Virgil Stat web service is an internal service that is responsible for **X-VIRGIL-ACCESS-TOKEN** HTTP header verification. Each request to any Virgil Service must contain a valid access token value. **Virgil Stat** uses an endpoint to search for a Virgil Card application on the **Virgil Keys** web service in order to perform access token verification for those tokens that were issued outside of the **Virgil Development Portal**.

Virgil Private Keys web service performs each request validation on the **Virgil Stat** web service. It also performs a Virgil Card verification on the **Virgil Keys** service when a new private key is pushed to a service (it also performs an Identity verification on the **Virgil Stat** service). In order to verify external services response signatures the service performs a call to the search for a Virgil Card application endpoint in order to retrieve external services’ public keys.

Virgil Keys service performs each request validation on the **Virgil Stat** web service. On a create new Virgil Card action the service runs through an identity verification process if the created Virgil Card is supposed to be confirmed one. The **Virgil Keys** service exposes search an application Virgil Card and get a Virgil Card endpoints for internal uses.