

# Development Environment

The Sandbox environment is accessible to all registered [EFD](#) vendors. The Sandbox Environment exposes the same APIs and uses the same protocols as the Production environment.

## Obtaining Additional Test Certificates

EFD Vendors can apply to the tax authority and additional testing certificates in the form of smart cards or digital certificates (PKCS 11 format). They can use these certificates for development, integration and testing purposes. With additional certificates, users can test both successful and failing scenarios (like trying to fiscalize an invoice with an expired certificate).

The process of requiring additional certificates involves these steps:

1. EFD vendor registers with tax authority through an official application form (see Registration to Developer Portal)
2. EFD vendor uses the developer certificate obtained during registration to log in to their profile on the Developer Portal.
3. EFD vendor uses the Developer Portal to request the desired number of additional certificates (see Requesting additional certificates) for each registered location.
4. tax authority officers review the request and if everything is ok, approve issuing additional certificates.
5. EFD vendor picks up the additional smart card certificate or receives the additional digital file certificate via email.

## Obtaining Smart Cards

Accredited POS Vendors shall apply to the tax authority and get test smart cards and digital certificates in PKCS 11 format to use for development, integration and testing purposes. In order to achieve that, follow these steps:

1. Primary contact registers with tax authority using an application form published on web site (see Registration to Developer Portal)
2. tax authority verifies the application and sends the enrolment request to the primary contact by e-mail or SMS
3. Primary contact enters the desired PIN code for their smart card
4. tax authority delivers the smart card to the Primary contact
5. If additional smart cards are required, the Primary contact can submit a request using the Developer Portal on the Sandbox environment.

## Identification of Environment

The production environment is also known as live, particularly for servers, as it is the environment that the users directly interact with.

A Sandbox is a testing environment that isolates untested code changes and experimentations from the production environment or repository.

**NOTE:**

Development, testing and technical review are all done in the Sandbox environment. The next step is the administrative review process which enables getting accreditation for a specific country. Different countries have different system names, and every environment has its own URL.

System name by country/state:

1. Fiji - VMS
2. Samoa – TIMS
3. Washington – TaxCore
4. Serbia - SUF
5. Rebulic of Srpska - SUF

For this reason, URLs and names in your documentation, code and UI should not be hardcoded but configurable or extracted from a digital certificate (in case of the connected scenario).