

# ***Introduction to the NameStore Development Support Tool***

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## **Introduction to the NameStore Development Support Tool**

The [Name Store Development Support Tool](#) has been built to help developers more easily integrate NameStore products into their provisioning systems and applications. The tool is designed to allow the simple creation of EPP packets and NameStore specific extensions. Once created, EPP packets can be submitted directly to the NameStore OTE environment exactly in the same way as a registrar provisioning system. This allows developers to test specific scenarios as they are encountered and to quickly gain a clear understanding of NameStore behaviour and rules. This in turn will reduce the development time for your NameStore Integration.

The tool is designed to be a useful and fast method for developers to:

- Create EPP packets for test submission
- Confirm the format of response packets
- Analyse NameStore behaviour under chosen conditions
- As a general debugging aid for registrar created packets to be tested directly against NameStore
- Understand NameStore products and their behaviour
- Test business rules, validation and error codes created under developer controlled conditions.
- Self-diagnose implementation and support questions.

The “NameStore Development Support Tool” is designed to allow ANY packet to be created and submitted against the OTE environment, there is purposefully no logic or validation built into the tool. Any packet can be generated and submitted at any time, even if it is completely out of context. For example, a domain:check can be issued before a correct authentication packet. The command will obviously fail, but that is the behaviour that you would experience if your own application tried to submit the command without first having submitted a login command. This principle is applied throughout; the control and session logic is given to the developer, as it is when they are integrating their own applications. We have built the tool so the developer can see the real behaviour under any circumstances and we hope this will prove a highly valuable aid to your successful NameStore integration.

For each of the products within NameStore there are specific business rules and implementation behaviour that must be understood to make proper use of this tool. There is also specific behaviour that you should be aware of before using the tool for any product.

### **General Considerations**

- The tool will allow you to form packets relating to every product on NameStore, however **if the product is not enabled for your account, it will return an authorization error message.**
- All commands will **fail until a login is successfully received by NameStore.**
- All validation rules are applied by NameStore not the tool. It is therefore possible to submit invalid data in your packet.
- Although formed packets are initially correct, it is possible for the developer to modify these and create any number of errors including invalid EPP.

## RCCTLD Specific Considerations

RCCTLD:Contact:Create	Always note the contactID returned in your response packet. The contactID is used to execute other commands such as Contact:Info, Contact:Update, Domain:Create.
RCCTLD:Domain:Create	Always note the domain:id and domain:jobid returned in your response packet. These are used to execute most other commands.  Ensure that the period matched the business rules e.g. .uk domains are purchased only for 2 years.
RCCTLD:Host:Create	Always use a valid IP address for the host.  Always use a valid host created with a Host:Create command – even if this host already exists in the real world.

Most of the documentation required to support a developer using this tool can be found in the NameStore SDK. You can download the SDK from:

<http://www.verisign.com/nds/naming/namestore/techdocs.html>

The mapping documents within eppsdk\doc\namestore\ provides schema documents, and overview an of each command and descriptions of each element. These documents will be vital for you to understand the packets that the tool creates and for developers to ensure correct data is submitted with each packet.

In addition to the mapping documents included with the SDK, understanding the product guides is vital. The product guides will give developers the knowledge necessary to ensure the data used in each packet is valid and that the business rules are being adhered to. The Product guides for all products available through the tool can be downloaded from:

<http://www.verisign.com/nds/naming/namestore/>

### Useful Tips

- Test packets can be pasted into any commands form submission text area. This will allow you to test packets generated by your own applications.
- If you encounter session problems, submit a new login request.

### Browser Requirements

- Internet Explorer 6.0.

