

DNRS2 Registrar Operations Test & Evaluation (OT&E)

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1 Introduction

1.1 Purpose

This document describes the basic operations that a Registrar's client application must perform to be accepted by the Registry. Each of the following sections describes the actions that the client must perform to demonstrate the correct implementation of the HKIRC Registry-to-Registrar Extensible Provisioning Protocol (DNRS2.EPP) and interactions with the Registry.

The tests presented herein verify the correct interface with the Registry for standard Registrar operations. They do not cover all possible error and unusual conditions. The Registrar client application is responsible for correctly handling all error conditions.

1.2 Formatting Conventions

All commands and data must be entered exactly as given in this document. Any deviations will be considered a failure. The following items show the formatting conventions included in this document for required input and output values and for variable input and output responses.

- *Regular text* represents expected system input and output values that the client system will send to the server and that the server system will display in response to an action or actions provided by the Registrar. The following example illustrates an expected system output.

Command Completed Successfully

- When **Bold text** is located in Regular text, this represents a required input value that the Registrar must provide - the Registrar must enter the text exactly as shown. The following example illustrates the format for the required input values.

Domain Name: **test.com.hk**

- *Italicized text or texts with 'XXX'* in output represents data returned from the server, which may or may not be the exact values represented in this document. It is the responsibility of the client to interpret these values properly and possibly reuse these for subsequent commands.

Contact ID: *HKxxxxxxT*

1.3 Accounts

To perform the tests, the applying Registrar is given an account, named HKIRC-REG00A. When scheduling a test, the Registry Technical Support Group will provide hostnames and port numbers for the Registrar's client to connect to.

1.4 Additional Requirements

Prior to taking this Test, the Registry Operator will prime the Test Registry with data required to complete this test. Please refer to Appendix A if you wish to review the data. Do not attempt to enter the data into the Test Registry.

1.5 Successful Command & Test Completion

While performing this test, if the response to a command is not exactly as shown, you should stop your test and contact HKIRC technical support.

1.6 Passing the Test

In order to pass this test, the Registrar must complete the test perfectly (with no typos or breaking of the sequence of operations) from start to finish, including the session kept alive portion in section 2.5, within the allotted time. It is expected the total test time will be about one hour, taking into account the 30 minutes required for section 2.5.

1.7 Contact and Name Server Policy Requirements

There are certain policies enforced in the HKIRC Registrar implementation of EPP:

4 contacts (including 1 Registrant and 1 of each Admin, Billing and Technical contacts) must be provided during the domain creation transaction.

All domains must be created with 2 name servers. Domain creation with less than 2 name servers will fail.

2 EPP Communications

Registrar to Registry communications and responses utilise the Extensible Markup Language (XML) running over the Secure Sockets Layer (SSL) in a form called the Extensible Provisioning Protocol (EPP). It is the Registrar's responsibility to adhere to these protocols to successfully communicate with the Operations Competency Evaluation (OCE) environment for obtaining Certification from the Registry.

The Registrars' application client must utilise XML over SSL to send commands to the Registry and utilise an XML parser to interpret the server's responses.

2.1 Session Management

2.1.1 Authentication

After the initial greeting, the Registrar client shall send the Login command to authenticate itself to the Registry with the following information.

```
Client ID: HKIRC-REG00A  
Password: OCE-PWDA
```

Verify that the following response is received:

```
Reply Code: 1000  
Reply Message: Command completed successfully
```

2.2 Domain Name Operations

The following tests exercise EPP commands that revolve around Domain Name creation and manipulation.

Important to note:

Once registering the domain name, it is required to make the payment and approve the document if required before domain name activation. E.g. .com.hk requires document approval but 2nd level .HK does not require. You can go to oteregistrar.hkirc.hk to search your transaction under the function named transaction details of billing manger. The domain activation job will be run every one hour or you can inform HKIRC's administrator to activate immediately during scheduled testing time.

2.2.1 Create Domain with 4 Contacts and 2 Name Servers

Create a new Domain and associate 2 Name Servers and 4 Contacts with it by supplying the following elements to the Create Domain command. (Important Note: Record the Tracking Number returned for further testing in Step 2.2.9)

```
Domain Name: valid.hk
Registration Term: 1
Name Server ID: ns1.validhost.com.hk
Name Server ID: ns2.validhost.com.hk
Domain registrant contact ID: HK2597733T
Domain Admin contact ID: HK2597739T
Domain Billing contact ID: HK2597740T
Domain Technical contact ID: HK2597745T
```

Verify that the following response is received:

```
Reply Code: 1001
Reply Message: Command completed successfully; action pending
Tracking Number: NDNxxxxxx
```

2.2.2 Create Domain with Maximum Registration Period

Enter the following data to the Create Domain command.

```
Domain Name: 5years.hk
Registration Term: 5
Name Server ID: ns1.validhost.com.hk
Name Server ID: ns2.validhost.com.hk
Domain registrant contact ID: HK2597734T
Domain Admin contact ID: HK2597739T
Domain Billing contact ID: HK2597741T
Domain Technical contact ID: HK2597746T
```

Verify that the following response is received:

```
Reply Code: 1001
Reply Message: Command completed successfully; action pending
Tracking Number: NDNxxxxxx
```

2.2.3 Bundle Domain with new domain

Bundle a domain by supplying the following elements to the Update Domain command.

```
Domain Name: existing.com.hk
New Bundle Domain Name: xn--15q570c.xn--55qx5d.xn--j6w193g
```

Verify that the following response is received:

```
Reply Code: 1001
Reply Message: Command completed successfully; action pending
```

Tracking Number: *NDNxxxxxxx*

Bundle Domain with existing domain

Bundle a domain by supplying the following elements to the Update Domain command.

Domain Name:
abcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxyz.com.hk
 Existing Bundle Domain Name: **xn--13-9v5cq9bg0fhyci38btums10h.xn--55qx5d.xn--j6w193g (refer to step 2.2.4)**

Verify that the following response is received:

Reply Code: 1001
 Reply Message: Command completed successfully; action pending
 Tracking Number: *NDNxxxxxxx*

2.2.4 Create Domain with Maximum Number of Name Servers

Using the Create Domain command, add the following Domain along with the 13 Name Servers.

Domain Name:
xn--13-9v5cq9bg0fhyci38btums10h.xn--55qx5d.xn--j6w193g
 Registration Term: **2**
 Domain registrant contact ID: **HK2597735T**
 Domain Admin contact ID: **HK2597739T**
 Domain Billing contact ID: **HK2597742T**
 Domain Technical contact ID: **HK2597747T**
 Name Server ID: **ns1.validhost.com.hk**
 Name Server ID: **ns2.validhost.com.hk**
 Name Server ID: **ns3.validhost.com.hk**
 Name Server ID: **ns4.validhost.com.hk**
 Name Server ID: **ns5.validhost.com.hk**
 Name Server ID: **ns6.validhost.com.hk**
 Name Server ID: **ns7.validhost.com.hk**
 Name Server ID: **ns8.validhost.com.hk**
 Name Server ID: **ns9.validhost.com.hk**
 Name Server ID: **ns10.validhost.com.hk**
 Name Server ID: **ns11.validhost.com.hk**
 Name Server ID: **ns12.validhost.com.hk**
 Name Server ID: **ns13.validhost.com.hk**

Verify that the following response is received:

Reply Code: 1001
 Reply Message: Command completed successfully; action pending
 Tracking Number: *NDNxxxxxxx*

2.2.5 Create Domain with Maximum Length Domain Name (63 Chars + .com.hk)

Using the Create Domain command, enter the following data.

```
Domain Name:
abcdefghijklmnopqrstuvwxyabcdefghijklmnopqrstuvwxyabcdefghijklmnopqrstuvwxy.com.hk
Registration Term: 2
Name Server ID: ns1.validhost.com.hk
Name Server ID: ns2.validhost.com.hk
Domain registrant contact ID: HK2597736T
Domain Admin contact ID: HK2597739T
Domain Billing contact ID: HK2597743T
Domain Technical contact ID: HK2597748T
```

Verify that the following response is received:

```
Reply Code: 1001
Reply Message: Command completed successfully; action pending
Tracking Number: NDNxxxxxxx
```

2.2.6 Create Domain with Invalid Name

Using the Create Domain command, enter the following data.

```
Domain Name: -invaliddomain!.com.hk
Registration Term: 2
Name Server ID: ns1.validhost.com.hk
Name Server ID: ns2.validhost.com.hk
Domain registrant contact ID: HK2597737T
Domain Admin contact ID: HK2597739T
Domain Billing contact ID: HK2597744T
Domain Technical contact ID: HK2597749T
```

Verify that the following response is received:

```
Reply Code: 2005
Reply Message: Parameter value syntax error
```

2.2.7 Check Domain (Domain Not Available)

Use the Domain Check command with the following data to determine that the domain is not available:

```
Domain Name: valid.hk
```

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
AVAILABLE: 0
```


2.2.8 Check Domain (Domain Available)

Use the Domain Check command with the following data to determine that the domain is available:

Domain Name: **available.com.hk**

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
AVAILABLE: 1
```

2.2.9 Info NDN Transaction

The Obtain Transaction Information command is used to retrieve information and statuses associated with a Domain Registration Transaction. Enter the following information to the Obtain Transaction Information command. (Important Note: Do not proceed with the following steps before the Domain Registration Transaction status and Bundle Domain Transaction status are COMPLETED.)

Single Domain Registration Transaction:

Tracking Number: **NDNxxxxxxx** (refer to section 2.2.1)

Verify that the following response is received:

```
Document Status: NOT REQUIRED
Payment Status: COMPLETED
Tracking Status: COMPLETED
Transaction Date: [OCE Date]
Processed Date: [OCE Date]
```

Bundle Domain Transaction:

Tracking Number: **NDNxxxxxxx** (refer to section 2.2.3)

Verify that the following response is received:

```
Document Status: NOT REQUIRED
Payment Status: COMPLETED
Tracking Status: COMPLETED
Transaction Date: [OCE Date]
Processed Date: [OCE Date]
```

2.2.10 Info Domain

The Obtain Domain Information command is used to retrieve information associated with a Domain. Enter the following information to the Obtain Domain Information command.

Domain Name: **valid.hk**

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
Domain Name: valid.hk
Bundled Domain Name: -
Domain Status: OK
Domain Registrant Contact ID: HK2597733T
Domain Admin Contact ID: HK2597739T
Domain Billing Contact ID: HK2597740T
Domain Technical Contact ID: HK2597745T
Domain Name Server ID: ns1.validhost.com.hk
Domain Name Server ID: ns2.validhost.com.hk
Domain Creation Date: [OCE Date]
Domain Expiration Date: [OCE Date + 1 year]
```

2.2.11 Delete Domain

Issue the Delete Domain command with the following data:

```
Domain Name: 5years.hk
```

Verify that the following response is received:

```
Reply Code: 1001
Reply Message: Command completed successfully; action pending
```

2.2.12 Renew Domain

First, get the Expiration Date of the Domain by issuing the Obtain Domain Information command with the following data.

```
Domain Name: valid.hk
```

Examine the Expiration Date returned from the previous command (Important Note: output should be similar to the following. 26-JAN-2011 is only an example. Use the expiry date returned from the Domain Information command above).

```
Domain Expiration Date: 26-JAN-2011
```

Issue the Domain Renew command with the following data.

```
Domain Name: valid.hk
Current Expiration Date: 26-JAN-2011
Domain Years Period: 1
```

Verify the output so that the expected Expiration Date is correct. Note the new current expiration date. Save it for use in the next section.

Reply Code: 1000
 Reply Message: Command completed successfully
 Domain Name: valid.hk
 Expiration Date: 26-JAN-2012

Renew Domain (Bundle)

First, get the Expiration Date of the Domain by issuing the Obtain Domain Information command with the following data.

Domain Name:
abcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxyz.com.hk
Bundled with: xn--13-9v5cq9bg0fhyci38btums10h.xn--55qx5d.xn--j6w193g

Examine the Expiration Date returned from the previous command (Important Note: output should be similar to the following. 26-JAN-2011 is only an example. Use the expiry date returned from the Domain Information command above).

Domain Expiration Date: **26-JAN-2011**

Issue the Domain Renew command with the following data.

Domain Name: **valid.hk**
 Current Expiration Date: **26-JAN-2011**
 Domain Years Period: **1**

Verify the output so that the expected Expiration Date is correct. Note the new current expiration date. Save it for use in the next section.

Reply Code: 1000
 Reply Message: Command completed successfully
 Domain Name: valid.hk
 Expiration Date: 26-JAN-2012

2.2.13 Renew Domain Pass Maximum Registration Period

Enter the following information to the Domain Renew command (submit the current expiration date obtained from the previous section).

Domain Name: **valid.hk**
 Current Expiration Date: **26-JAN-2011**
 Domain Period (Years): **10**

Verify that the following response is received:

Reply Code: 2400
 Reply Message: Domain cannot be renewed for more than 10 years from today

2.2.14 Renew Domain in Bundle Relationship

Enter the following information to the Domain Renew command.

```
Domain Name: xn--15q570c.xn--55qx5d.xn--j6w193g
Current Expiration Date: 26-JAN-2013
Domain Period (Years): 1
Bundled Domain Name: existing.com.hk
```

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
Domain Name: xn--15q570c.xn--55qx5d.xn--j6w193g
Expiration Date: 26-JAN-2014
Bundled Domain Name: existing.com.hk
```

2.2.15 Transfer a Domain

Use the Domain Transfer command, with the following information, to initiate a transfer

```
Domain Name: transfer1.com.hk
Transfer Operation: request
Auth code: Zkz9aT6X
```

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
```

Transfer a Domain (Bundle)

Use the Domain Transfer command, with the following information, to initiate a transfer

```
Domain Name:
BUNDLE4TRANSFER.COM.HK
Bundled with: XN--4-6J5BV88EY1MYLE.XN--55QX5D.XN--J6W193
Transfer Operation: request
Auth code: KPtEpfbk
```

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
```

Cancel Transfer a Domain (Bundle)

Use the Domain Transfer command, with the following information, to initiate a transfer

```
Domain Name:
BUNDLE4TRANSFER.COM.HK
```

```
Bundled with: XN--4-6J5BV88EY1MYLE.XN--55QX5D.XN--J6W193  
Transfer Operation: cancel
```

Verify that the following response is received:

```
Reply Code: 1000  
Reply Message: Command completed successfully
```

2.2.15.1 Approve Domain Transfer

Registrar B has made a transfer request for one of Registrar A's domains. Here we are going to approve this transfer.

Check the status of the transfer using the Domain Transfer Status command with the following information

```
Domain Name: transfer2.com.hk  
Transfer Operation: query  
Auth code: 8bdkWsYh
```

Verify that the following response is received:

```
Reply Code: 1000  
Reply Message: Command completed successfully  
Domain Transfer Status: Pending  
Requesting Registrar ID: HKIRC-REG00B  
Transfer Request Date: 15-SEP-2011  
Accepting Transfer Registrar ID: HKIRC-REG00A  
Deadline to Accept Transfer Request: 20-SEP-2011
```

Approve the transfer by using the Domain Transfer Operation command with the following information.

```
Domain Name: transfer2.com.hk  
Transfer Operation: approve
```

Verify the following output:

```
Reply Code: 1000  
Reply Message: Command completed successfully
```

2.2.15.2 Reject Domain Transfer

Registrar B has made a transfer request for one of Registrar A's domains. Here we are going to reject this transfer.

Reject the transfer by using the Domain Transfer Operation command with the following information.

Domain Name: **transfer3.com.hk**
Transfer Operation: **reject**
Auth Code: FJdXfWWu

Verify that the following response is received:

Reply Code: 1000
Reply Message: Command completed successfully

2.2.16 Change Domain Name Servers

Enter the following information to the Update Domain Add command

Domain Name: **valid.hk**
Add Name Server: **ns3.validhost.com.hk**
Add Name Server: **ns4.validhost.com.hk**

Verify that the following response is received:

Reply Code: 1000
Reply Message: Command completed successfully.

Then, enter the following information to the Update Domain Remove command

Domain Name: **valid.hk**
Remove Name Server: **ns1.validhost.com.hk**
Remove Name Server: **ns2.validhost.com.hk**

Verify that the following response is received:

Reply Code: 1000
Reply Message: Command completed successfully.

2.2.17 Transfer Domain Holding Right

Issue the Update Domain Change command with the following data. Change the Registrant Contact to a new Contact (this new contact already exists – it was seeded in the database by the registry operator prior to this test).

Domain Name: **valid.hk**
New Domain Registrant Contact ID: **HK2597738T**

Verify that the following response is received:

Reply Code: 1001
Reply Message: Command completed successfully; action pending
Tracking Number: *TNRxxxxxxx*

2.2.18 Change Domain Status

Change the status of a Domain to 'client hold' by issuing the Update Domain Change command with the following values.

```
Domain Name: valid.hk
Domain Status: client hold
```

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
```

2.3 Contact Operations

The following tests exercise EPP commands that revolve around Domain Contact creation and manipulation.

2.3.1 Create Contact

Supply the following information to the Create Contact command. Note that the returned Contact ID shown here is an example output; the actual value returned should be used instead of the examples listed here.

```
Contact Organization: Example Corp. Inc
Contact Type: registrant
Contact Category: O
Contact Document Type: BR
Contact Document Number: 123456789
Contact Document Origin Country: US
Contact Industry Type: 010100
Contact First Name: John
Contact Last Name: Doe
Contact Authorization Information: testpw
Contact Address: 123 Example St. Suite 100, Anytown
Contact Address Postal Code: A1A1A1
Contact Address State: Anystate
Contact Address Country: HK
Contact Telephone: +852-23191313
Contact Fax: +852-23192626
Contact Mobile Phone: +852-23191313
Contact Email: jdoe@testing.com
```

Verify that the following response is received:

```
Reply Code: 1000
Contact ID: HKxxxxxxT
Reply Message: Command completed successfully
```

You will need to remember the returned Contact ID for this contact to complete sections 2.3.2, 2.3.4 and 2.3.5.

2.3.2 Contact Information (Contact Known)

Use the Obtain Contact Information command with the following arguments.

Contact ID: **HKxxxxxxxT** (refer to section 2.3.1)

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
Contact Organization: Example Corp. Inc
Contact Type: registrant
Contact Category: 0
Contact Document Type: BR
Contact Document Number: 123456789
Contact Document Origin Country: US
Contact Industry Type: 010100
Contact First Name: John
Contact Last Name: Doe
Contact Authorization Information: testpw
Contact Address: 123 Example St. Suite 100, Anytown
Contact Address Postal Code: A1A1A1
Contact Address State: Anystate
Contact Address Country: HK
Contact Telephone: +852-23191313
Contact Fax: +852-23192626
Contact Mobile Phone: +852-23191313
Contact Email: jdoe@testing.com
```

2.3.3 Contact Information (Contact Unknown)

Use the Obtain Contact Information command with the following arguments.

Contact ID: **HK000000T**

Verify that the following response is received:

```
Reply Code: 2303
Reply Message: Object does not exist
```

2.3.4 Change Contact (Change Element)

Supply the following information to the Update Contact Change command. Use the Contact ID returned from section 2.3.1.

```
Contact ID: HKxxxxxxxT (refer to section 2.3.1)
Contact Address: 456 Example St. Suite 100, Anytown
```


Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
```

2.3.5 Delete Contact

Supply the following information to the Delete Contact command to remove the contact permanently.

```
Contact ID: HKxxxxxxxT (refer to section 2.3.1)
```

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
```

2.4 Name Server Operations

The following tests exercise EPP commands that revolve around Domain Name Server creation and manipulation.

2.4.1 Create Host

Supply the following information to the Create Host command.

```
Host Name: ns1.valid.hk
IP Address: 192.169.10.11
```

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully.
```

2.4.2 Name Server Information (Name Server Known)

Use the Host Info command to retrieve information of a Name Server.

```
Host Name: ns1.validhost.com.hk
```

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
IP Address 1: 192.169.10.11
IP Address 2: 192.169.10.24
```

2.4.3 Name Server Information (Name Server Unknown)

Enter the following data to the Host Info command.

```
Host Name: ns1.available.com.hk
```

Verify that the following response is received:

```
Reply Code: 2303
Reply Message: Object does not exist
```

2.4.4 Change Name Server (Add IP Address)

Supply the following values to the Host Update Change Add command.

```
Host Name: ns1.validhost.com.hk
IP Address 1: 192.169.10.25
```

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
```

2.4.5 Change Name Server (Remove IP Address)

Supply the following values to the Host Update Change Remove command.

```
Host Name: ns1.validhost.com.hk
IP Address 1: 192.169.10.24
```

Verify that the following response is received:

```
Reply Code: 1000
Reply Message: Command completed successfully
```

2.4.6 Delete Name Server

Use the Host Delete command with the following values.

```
Host Name: ns1.valid.hk
```

Verify that the following response is received.

```
Reply Code: 1000
Reply Message: Command completed successfully
```

2.5 Client Session Management Efficiency

After 15 minutes of idle time, the Registry will disconnect a Registrar's client connection. It is preferable for Registrars to keep sessions open for extended periods rather than frequently opening and closing the sessions, as the latter can increase the transaction times.

For this test, keep your current session open to the Registry for at least 30 minutes before proceeding to Section 2.6. In order to keep the session alive, use the greeting command with no arguments at intervals under 10 minutes. We recommend greeting at 8-minute intervals for this section of the test.

2.6 End Session

For a client Registrar to end communications with the Registry, the Logout command is used with no arguments.

If successful, the Registry will send the following response and then end the session.

```
Command completed successfully; logout successful
```

At this point, contact HKIRC Technical Support at registrar@hkirc.hk or (+852) 2319 1313 and inform them you have completed this test.

Appendix A - Seeded Registry Information

To complete this test, the Operational Test Environment will have the following information seeded into the Test Registry. This data is primed into the Test Environment by the Registry Operator before the Registrar performs this test.

*** Registrar: Do not attempt to enter this data into the Test Registry. ***

Registrar A: HKIRC-REG00A
Password: OCE-PWDA

Domains: There are 4 domains that need to be seeded, each one with a different name.

Domain Name: transfer1.com.hk
** Owned by Registrar B **
Domain registrar ID: HKIRC-REG00B
Domain registrant contact ID: HKIRC-ORG101
Domain Admin contact ID: HKIRC-ORG101
Domain Billing contact ID: HKIRC-ORG101
Domain Technical contact ID: HKIRC-ORG101
Domain Term: 2
NS1: ns1.validhost.com.hk
NS2: ns2.validhost.com.hk

Domain Name: transfer2.com.hk
** Registrar B has a pending transfer on this domain. **
Domain registrar ID: HKIRC-REG00A
Domain registrant contact ID: HKIRC-ORGEX100
Domain Admin contact ID: HKIRC-ORGEX100
Domain Billing contact ID: HKIRC-ORGEX100
Domain Technical contact ID: HKIRC-ORGEX100
Domain Term: 1
NS1: ns1.validhost.com.hk
NS2: ns2.validhost.com.hk
Domain Transfer Status: Pending
Requesting Registrar ID: HKIRC-REG00B
Accepting Transfer Registrar ID: HKIRC-REG00A

Domain Name: transfer3.com.hk
** Registrar B has a pending transfer on this domain. **
Domain registrar ID: HKIRC-REG00A
Domain registrant contact ID: HKIRC-ORGEX100
Domain Admin contact ID: HKIRC-ORGEX100
Domain Billing contact ID: HKIRC-ORGEX100
Domain Technical contact ID: HKIRC-ORGEX100
Domain Term: 1
Domain Status ID: Pending

NS1: ns1.validhost.com.hk
NS2: ns2.validhost.com.hk
Requesting Registrar ID: HKIRC-REG00B
Accepting Transfer Registrar ID: HKIRC-REG00A

Domain Name: validhost.com.hk
Domain registrar ID: HKIRC-REG00A
Domain registrant contact ID: HKIRC-ORGEX100
Domain Admin contact ID: HKIRC-ORGEX100
Domain Billing contact ID: HKIRC-ORGEX100
Domain Technical contact ID: HKIRC-ORGEX100
Domain Term: 2

Contacts: There are 4 contacts that need to be seeded, each one with a different Contact ID.

Use the following for all the contacts:

Contact ID: HKIRC-ORGEX100
Contact Organization: Example Corp. Inc
Contact Type: 1
Contact Password: testpwd
Contact Address 1a: 123 Example St.
Contact Address 1b: Suite 100
Contact Address 1c: Anytown
Contact Address Postal Code 1: A1A1A1
Contact Address Country 1: Hong kong
Contact Telephone: +852-23191313
Contact Fax: +852-23192626
Contact Mobile: +852-23191313
Contact Email: joedoe@localhost
Owned by Registrar A

Contact ID: HKIRC-ORGEX101
Contact Organization: Example Corp. Inc
Contact Type: 1
Contact Password: testpwd
Contact Address 1a: 123 Example St.
Contact Address 1b: Suite 100
Contact Address 1c: Anytown
Contact Address Postal Code 1: A1A1A1
Contact Address Country 1: Hong kong
Contact Telephone: +852-23191313
Contact Fax: +852-23192626
Contact Mobile: +852-23191313
Contact Email: jasondoe@localhost
Owned by Registrar A

Contact ID: HKIRC-ORGEX102
Contact Organization: Example Corp. Inc
Contact Type: 1
Contact Password: testpwd
Contact Address 1a: 123 Example St.
Contact Address 1b: Suite 100
Contact Address 1c: Anytown
Contact Address Postal Code 1: A1A1A1
Contact Address Country 1: Hong kong
Contact Telephone: +852-23191313
Contact Fax: +852-23192626
Contact Mobile: +852-23191313
Contact Email: jasminedoe@localhost
Owned by Registrar A

Contact ID: HKIRC-ORGEX103
Contact Organization: Example Corp. Inc
Contact Type: 1
Contact Password: testpwd
Contact Address 1a: 123 Example St.
Contact Address 1b: Suite 100
Contact Address 1c: Anytown
Contact Address Postal Code 1: A1A1A1
Contact Address Country 1: Hong kong
Contact Telephone: +852-23191313
Contact Fax: +852-23192626
Contact Mobile: +852-23191313
Contact Email: jacobdoe@localhost
Owned by Registrar A

Host:

Host name: ns1.validhost.com.hk
IP Address: 192.169.10.11
IP Address: 192.169.10.24
Owned by Registrar A

Host name: ns2.validhost.com.hk
IP Address: 192.169.10.12
Owned by Registrar A

Host name: ns3.validhost.com.hk
IP Address: 192.169.10.13
Owned by Registrar A

Host name: ns4.validhost.com.hk
IP Address: 192.169.10.14
Owned by Registrar A

Host name: ns5.validhost.com.hk
IP Address: 192.169.10.15
Owned by Registrar A

Host name: ns6.validhost.com.hk
IP Address: 192.169.10.16
Owned by Registrar A

Host name: ns7.validhost.com.hk
IP Address: 192.169.10.17
Owned by Registrar A

Host name: ns8.validhost.com.hk
IP Address: 192.169.10.18
Owned by Registrar A

Host name: ns9.validhost.com.hk
IP Address: 192.169.10.19
Owned by Registrar A

Host name: ns10.validhost.com.hk
IP Address: 192.169.10.20
Owned by Registrar A

Host name: ns11.validhost.com.hk
IP Address: 192.169.10.21
Owned by Registrar A

Host name: ns12.validhost.com.hk
IP Address: 192.169.10.22
Owned by Registrar A

Host name: ns13.validhost.com.hk
IP Address: 192.169.10.23
Owned by Registrar A