

# Veritas InfoScale – SAP Application Auto Discovery

January 2024

### Why Application Discovery is Important to InfoScale?

Admin guides provided with InfoScale are very lengthy and complex to understand the use cases with their configuration. A single click application discovery and automatic InfoScale Agent configuration would help in improving ease of use aspect for end users.

#### Present Challenges to Application Admins

- User persona (TLDR - too long did not read mindset) has changed and users are not inclined to read through long pages of admin documentation for configuring clusters in their environment.
- A typical enterprise IT landscape has many applications running simultaneously on various systems and determining the type of applications needing HA becomes a complex task..

#### Earlier InfoScale Solutions available:

- InfoScale (VCS) wizards for multinode clusters
- ApplicationHA for Single node clusters

#### Drawback with old model:

For Both the cases more manual intervention is required.

### Benefits with Application Auto Discovery

1. Single command execution for Application Discovery with Auto Configuration of InfoScale service groups and resources with its dependencies.
2. **Reduction of up to 10x to 100x InfoScale configuration time for end users.**
3. Reduction in customer/support/sales calls for SAP agent configuration and Proof of Concepts (PoC).
4. Automatically discovers and prompts SAP instance foot prints like "ASCSxx,D0xx,ERS" for S/4HANA and NetWeaver.
5. Also, auto discover SAP HANA instances and auto configuration of service groups, trigger, and resources with dependencies.
6. Auto discovery and InfoScale HSR configuration.

## Steps to Discover an InfoScale Agent Configuration for SAP S/4 HANA

Navigate to **opt/VRTSvcs/bin/** directory and execute the “**hasapautoconfig**” command using root user and follow the workflow steps.

```
# /opt/VRTSvcs/bin/hasapautoconfig
```

```
inaqalnx270
```

| Index | SID | InstanceName | Hostname |
|-------|-----|--------------|----------|
| ----- |     |              |          |
| 1     | PRD | ASCS00       | s4hascs  |
| 2     | PRD | ERS10        | s4hers   |

-----

|   |     |        |         |
|---|-----|--------|---------|
| 1 | PRD | ASCS00 | s4hascs |
|---|-----|--------|---------|

|   |     |       |        |
|---|-----|-------|--------|
| 2 | PRD | ERS10 | s4hers |
|---|-----|-------|--------|

```
inaqalnx271
```

| Index | SID | InstanceName | Hostname |
|-------|-----|--------------|----------|
| ----- |     |              |          |
| 1     | PRD | ERS10        | s4hers   |
| 2     | PRD | ASCS00       | s4hascs  |

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|   |     |       |        |
|---|-----|-------|--------|
| 1 | PRD | ERS10 | s4hers |
|---|-----|-------|--------|

|   |     |        |         |
|---|-----|--------|---------|
| 2 | PRD | ASCS00 | s4hascs |
|---|-----|--------|---------|

**Choose an action:**

| Index | Action    | Description                                    |
|-------|-----------|------------------------------------------------|
| ----- |           |                                                |
| 1     | Configure | Configure InfoScale Resources and dependencies |
| 2     | Exit      |                                                |

-----

|   |           |                                                |
|---|-----------|------------------------------------------------|
| 1 | Configure | Configure InfoScale Resources and dependencies |
|---|-----------|------------------------------------------------|

|   |      |  |
|---|------|--|
| 2 | Exit |  |
|---|------|--|

Select action index [2]: **1**

**Choose an action:**

| Index | SID | InstanceName | Hostname |
|-------|-----|--------------|----------|
| ----- |     |              |          |
| 1     | PRD | ASCS00       | s4hascs  |

-----

|   |     |        |         |
|---|-----|--------|---------|
| 1 | PRD | ASCS00 | s4hascs |
|---|-----|--------|---------|

```
2 | PRD | ERS10 | s4hers
```

```
3 | | Configure All |
```

```
4 | | Exit |
```

Select action index [4]: **1**

**Are you sure to configure ASCS instance with Instance Number 00 and SID PRD under InfoScale? (y/n):y**

Successfully configured Service group S4H\_PRD\_ASCS00\_SG with resources:

S4H\_PRD\_ASCS00

S4H\_PRD\_ASCS00\_SRV

S4H\_PRD\_ASCS00\_IP

S4H\_PRD\_ASCS00\_NIC

**Choose an action:**

```
Index | SID | InstanceName | Hostname
```

-----

```
1 | PRD | ERS10 | s4hers
```

```
2 | | Exit |
```

Select action index [2]: **1**

**Are you sure to configure ERS instance with Instance Number 10 and SID PRD under InfoScale? (y/n):y**

Successfully configured Service group S4H\_PRD\_ERS10\_SG with resources:

S4H\_PRD\_ERS10

S4H\_PRD\_ERS10\_SRV

S4H\_PRD\_ERS10\_IP

S4H\_PRD\_ERS10\_NIC

**Choose an action:**

```
Index | SID | InstanceName | Hostname
```

-----

```
1 | | Exit |
```

Select action index [1]:

No Instance is available for configuration. Exiting.....

## Steps to Discover the SAP HANA Database and InfoScale Agent Configuration

```
# /opt/VRTSvcs/bin/hasapautoconfig
```

punr740-15-v107

| Index | SID | InstanceName | Hostname        |
|-------|-----|--------------|-----------------|
| 1     | SDB | HDB00        | punr740-15-v107 |

punr740-15-v108

| Index | SID | InstanceName | Hostname        |
|-------|-----|--------------|-----------------|
| 1     | SDB | HDB00        | punr740-15-v108 |

Choose an action:

| Index | Action    | Description                                    |
|-------|-----------|------------------------------------------------|
| 1     | Configure | Configure InfoScale Resources and dependencies |
| 2     | Exit      |                                                |

Select action index [2]: 1

Choose an action:

| Index | SID | InstanceName | Hostname                        |
|-------|-----|--------------|---------------------------------|
| 1     | SDB | HDB00        | punr740-15-v108,punr740-15-v107 |

2 | | Exit |

Select action index [2]: 1

**Are you sure to configure HDB instance with Instance Number 00 and SID SDB under InfoScale? (y/n):y**

Enter IP : 10.221.81.181

Successfully configured Service group HANA\_SDB\_HDB00\_SG with resources:

HANA\_SDB\_HDB00

HANA\_SDB\_HDB00\_SRV

Successfully configured Service group HANA\_SDB\_TAKEOVER\_SG with resources:

HANA\_SDB\_TAKEOVER\_IP

HANA\_SDB\_NIC

**Choose an action:**

| Index | SID | InstanceName | Hostname |
|-------|-----|--------------|----------|
| ----- |     |              |          |
| 1     |     |              |          |

1 | | Exit |

Select action index [1]:

No Instance is available for configuration. Exiting.....

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### About Veritas

Veritas Technologies is a leader in multi-cloud data management. Over 80,000 customers—including 95 percent of the Fortune 100—rely on Veritas to help ensure the protection, recoverability, and compliance of their data. Veritas has a reputation for reliability at scale, which delivers the resilience its customers need against the disruptions threatened by cyberattacks, like ransomware. No other vendor is able to match the ability of Veritas to execute, with support for 800+ data sources, 100+ operating systems, 1,400+ storage targets, and 60+ clouds through a single, unified approach. Powered by Cloud Scale Technology, Veritas is delivering today on its strategy for Autonomous Data Management that reduces operational overhead while delivering greater value. Learn more at [veritas.com](https://veritas.com). Follow us on Twitter at @veritastechllc.

2625 Augustine Drive, Santa Clara, CA 95054  
+1 (866) 837 4827  
[veritas.com](https://veritas.com)

For specific country offices  
and contact numbers,  
please visit our website.

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