

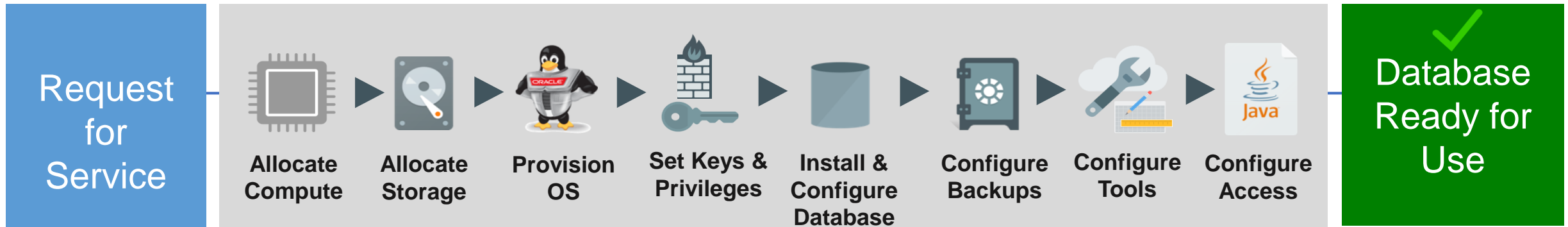
Creating DBCS Database Deployments

Objectives

- After completing this lesson, you should be able to:
 - Create a DBCS database deployment
 - Describe how an SSH key pair is used in authentication
 - Explain how storage volumes are allocated for a DBCS database deployment



Automated Database Provisioning

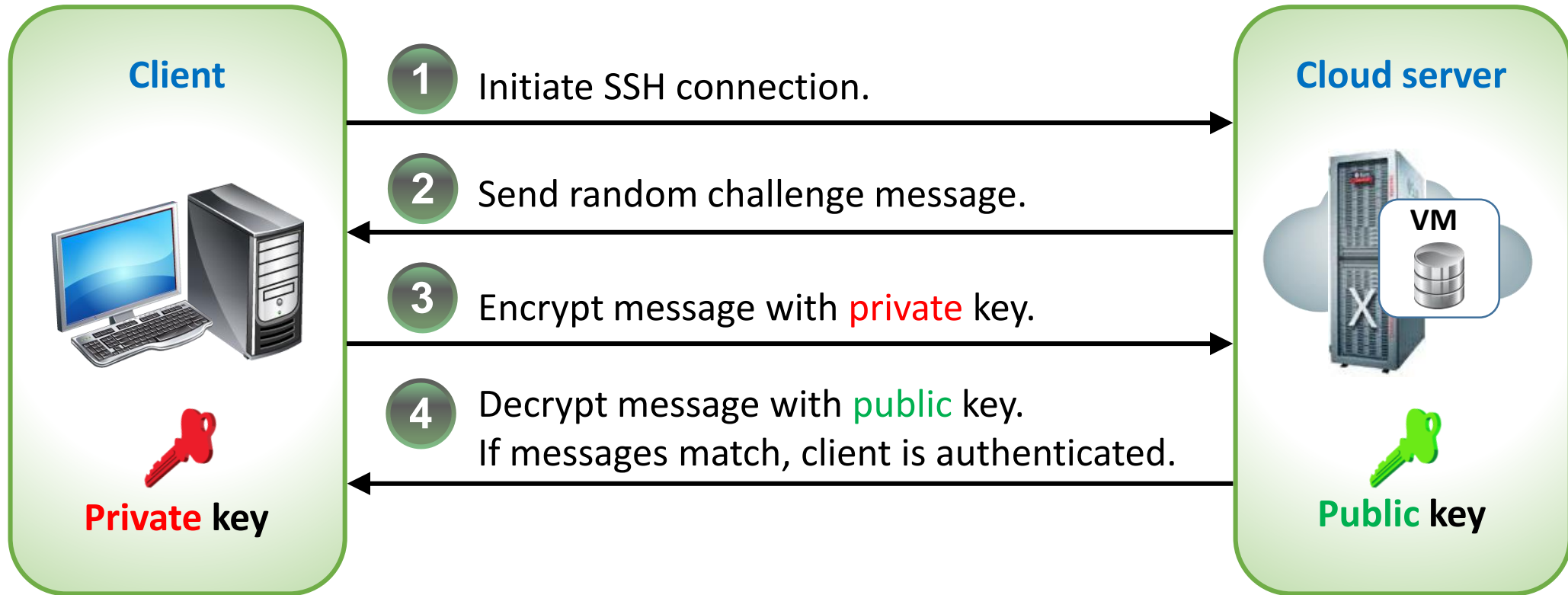


Automated provisioning based on input to the Create Oracle Database Cloud Service Instance wizard or through REST APIs

Creating a Database Deployment

- The wizard takes you through the database deployment creation, prompting for the following information:
 - Subscription: Service level, billing frequency, software release, and software edition
 - Service: Service name, compute shape, time zone, and SSH key
 - Database Configuration: Storage, database name (SID), PDB name, character set, and password for administrative accounts
 - Backup and Recovery Configuration: Backup destination and cloud storage information, if applicable
 - Additional Options: Real Application Clusters (RAC), Data Guard, and GoldenGate

How SSH Key Pairs Are Used



Creating an SSH Key Pair

- Perform one of the following:
 - Generate an SSH key pair as part of the database deployment creation.
 - Create an SSH key pair before creating your database deployment.

1

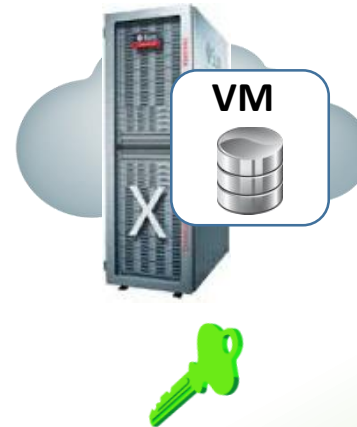
Local PC



OPTIONAL: Generate and store a **private** and **public** key pair on a local PC by using the PuTTY keygen utility or on Linux.

2

Cloud server



Create the Database Cloud Service Database deployment, developing the keys as part of the deployment creation, or provide the pre-created **public** key.

Storage Used for Database Files

Storage Volume	Description
bits	30 GB volume completely allocated to <code>/u01</code> on the compute node.
boot	21 GB volume allocated to the following file system mounts on the virtual machine: <code>/</code> (root), <code>/boot</code> , and swap space.
data	GB size equal to the value provided in the Usable Data Storage field during the database deployment creation process, with a minimum of 11 GB. This volume is completely allocated to <code>/u02</code> on the compute node.
fra	If backups are configured, GB size equal to 1.7 times the size of the <code>data</code> volume. If backups are not configured, GB size equal to 0.1 times the size of the <code>data</code> volume, with a minimum of 7 GB. This volume is completely allocated to <code>/u03</code> on the compute node.
redo	10 GB volume completely allocated to <code>/u04</code> on the compute node.

Summary

- In this lesson, you should have learned how to:
 - Create a DBCS database deployment
 - Describe how an SSH key pair is used in authentication
 - Explain how storage volumes are allocated for a DBCS database deployment



Practice 4: Overview

- 4-1: Creating a Database Deployment