



# Protecting Microsoft Active Directory

Backing up Active Directory (AD) is done on one or more Active Directory Domain Controllers, and is performed by backing up the System State on those servers. Barracuda Backup utilizes the Barracuda Backup Agent for Windows to back up and restore the Microsoft Windows System State. Back up the System State to have a backup of critical system-related components.

The System State backup contains the following:

- Local Registry
- COM+ Class Registration Database
- System Boot Files
- Active Directory Database File (NTDS.DIT) for Domain Controllers
- SYSVOL folder

A System State backup allows you to recover to a known "good" system state after a hardware or software crash.

Use the following steps to add a computer and configure the data source on Barracuda Backup:

1. Log in to Barracuda Backup and select the associated Barracuda Backup device in the left pane or in the devices table (for customers with multiple Barracuda Backup devices).
2. Install the Barracuda Backup Agent on the AD Domain Controller. The Agent is available from the **System > Software Downloads** page.
3. Go to the **Backup > Sources** page, and click **Add Computer**.
4. Complete the following details on the **Add a Computer** page:
  1. **Computer description**
  2. **Computer name**
5. From the **Computer type** drop-down menu, select **Microsoft Windows**.
6. Once the AD data source is configured, click **Save**.
7. The **Add Data Source** page displays. Finish configuring the backup schedule name, the offsite replication destination, and click **Save**.
8. Once the data source is configured, the **Schedules** page displays. See [Backup Scheduling](#) for details. In the **Items to Back Up** section, ensure that **System State** is selected under this agent data source:



### Items to Back Up

Identify the computers and data sources to back up with this schedule. Unselect the checkbox to display a list of all available computers and data sources from which individual ones can be selected.

**Apply to all computers and data sources for this Backup Appliance**

- Active Directory Server** ACTIVEDIRECTORY-GAM.CUDADEMO.LOCAL
  - Backup Agent**
    - File Systems** Advanced
    - System State**
      - Disaster Recovery
      - Boot Configuration
      - COM+
      - Windows Management Instrumentation
      - Background Intelligent Transfer Service
      - Shadow Copy Optimization
      - Event Logs
      - Active Directory Services
      - VSS Metadata Store
      - Task Scheduler
      - Performance Counters
      - Distributed File System Replication
      - System Files
      - Registry

