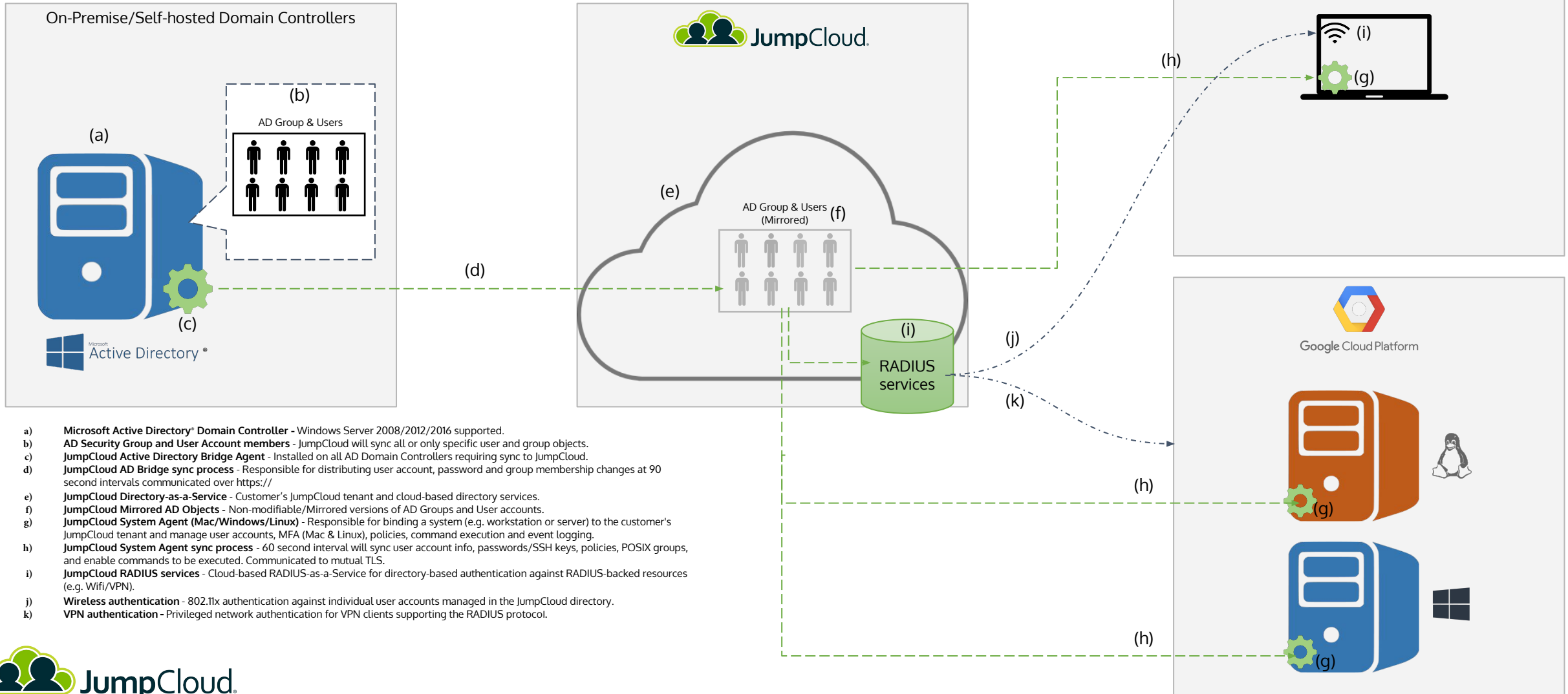


JumpCloud's AD Bridge Reference Architecture



- a) Microsoft Active Directory® Domain Controller - Windows Server 2008/2012/2016 supported.
- b) AD Security Group and User Account members - JumpCloud will sync all or only specific user and group objects.
- c) JumpCloud Active Directory Bridge Agent - Installed on all AD Domain Controllers requiring sync to JumpCloud.
- d) JumpCloud AD Bridge sync process - Responsible for distributing user account, password and group membership changes at 90 second intervals communicated over https://
- e) JumpCloud Directory-as-a-Service - Customer's JumpCloud tenant and cloud-based directory services.
- f) JumpCloud Mirrored AD Objects - Non-modifiable/Mirrored versions of AD Groups and User accounts.
- g) JumpCloud System Agent (Mac/Windows/Linux) - Responsible for binding a system (e.g. workstation or server) to the customer's JumpCloud tenant and manage user accounts, MFA (Mac & Linux), policies, command execution and event logging.
- h) JumpCloud System Agent sync process - 60 second interval will sync user account info, passwords/SSH keys, policies, POSIX groups, and enable commands to be executed. Communicated to mutual TLS.
- i) JumpCloud RADIUS services - Cloud-based RADIUS-as-a-Service for directory-based authentication against RADIUS-backed resources (e.g. Wifi/VPN).
- j) Wireless authentication - 802.11x authentication against individual user accounts managed in the JumpCloud directory.
- k) VPN authentication - Privileged network authentication for VPN clients supporting the RADIUS protocol.