



Xerox[®] Print Advisor

Using a Domain Service Account
Quick Reference



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Using a Domain Service Account (DSA)

Domain Service Accounts (DSAs) allow System Administrators to create a class of cross-domain accounts that can be used to manage and maintain certain services on the computer network. DSAs are generally used to enhance security by isolating the privileges for an application.

With Xerox® Print Advisor, DSAs are recommended when a Proxy Server is part of your organization's IT configuration.

Using a Domain Service Account

If a Domain Service Account is used for Print Advisor, the DSA must be able to communicate to the hosted Print Advisor Application Server over port **443 SSL** (Secure Sockets Layer).

Note: Set up the Domain Service Account PRIOR to starting the Xerox® Print Advisor installation. Altering the account information after installation is difficult and time-consuming if you have installed Xerox® Print Advisor on all of your organization's workstations.

Securing the Domain Service Account

The Domain Service Account should be secured with a Group Policy in accordance with your security policies for Service Accounts, or Microsoft's Service Account Guidelines available at <http://www.microsoft.com/downloads>.

If your organization does not currently have security policies in place for locking down service accounts, we recommend at a minimum that you apply the following settings:

Setting up a User Account

- Set Password to **Never Expire**.
- Use complexity for passwords (minimum 8 characters; include special characters).

Setting up a Group Policy

- Deny **logon locally** (User Rights Assignments).
- Disable **Shut Down the System** (User Rights Assignments).
- Enable an **Account Lockout Policy** (3 invalid attempts lock the account for 10 minutes).
- Require **Logon as a Service** (User Rights Assignments).
- Deny log on through Terminal Services (User Rights Assignments).
- Disable **Allow Logon Locally** (User Rights Assignments).
- You may want to continue locking down this group policy, as long as User Rights Assignments are not affected.
- Set options to **Enforcement (no override)**; this setting takes precedence over any Group Policy setting linked to child containers.
- Set the **Block inheritance flag**.
- Create an account as an **OU controlled subtree**.
- Enable auditing on controlled subtree.
- Use **AdminSDHolder** function; this setting compares the privilege level every hour and ensures that the settings have not been altered.

Using Domain Service Accounts for Proxy Servers

The account you select for Xerox® Print Advisor must have the ability to navigate through your proxy server. If you use a Proxy Server at your organization, it is highly recommended you use a **Domain Service Account**. While Xerox® Print Advisor can run as the Local System account, it rarely has sufficient authorization to navigate an organization's Proxy Server.

When Xerox® Print Advisor is installed using a DSA (Domain Service Account), the account must have at a minimum the following privileges:

- The ability to contact the Internet through the proxy server.
- The ability to iterate local printers on the machine on which the DSA is installed.

Advantages of using a DSA with a proxy server:

Using a DSA with a proxy server is advantageous in that the DSA can be set as follows:

- Set up to communicate through the proxy server to the hosted Xerox® Print Advisor Application Server.
- Restricted to communicate only to a known IP address range.
- Set to have a non-expiring password.
- Be locked down with just the permissions needed to run Print Advisor.

Additionally, the Service Account management can be centrally controlled.