Lepide Active Directory Self Service

How to generate P12 key

Lepide Active Directory Self Service allows Password Synchronization of Google Apps and IBM accounts. In order to enable Google Apps Password synchronization, you need to generate a P12 key by making certain settings in your Google service account.

Follow the below mentioned steps to generate the P12 key for Google App Service Account.

1. Open Google Developer Console Project for Google Cloud Platform - <u>https://console.developers.google.com/project</u> in Web browser, preferably Google Chrome.

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Sign in to continue to Google Cloud Platform	
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2. Enter the email address of your Google Service Account and click "Next".



3. Enter the password of your Google Service Account and click "Sign In". It takes you to the Google Service Projects page.

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4. Click "Create Project" to access "New Project" pop-up.

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5. The Project ID is assigned as per the project name. If you want to provide a manual project ID, click "Edit" link. You can also click "Show advanced options..." to access the advanced options.

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6. Enter the Project Name, Project ID, and select the advanced option. Click "Create" to create the project.

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7. Once created, the dashboard comes up. Click "Enable and Manage APIs" in "Use Google APIs" section. It displays the popular APIs.

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Activity	Project: Testing123 ID: testing123-1231 (#490893473663)
	Use Google APIs Enable APIs, create credentials, and track your usage
	RPI Enable and manage APIs
	Try Compute Engine
41	Spin up virtual machines using Google Compute Engine, Node.js, and MongoDB

8. Click 'Admin SDK' API link to access its settings.



9. Click the Enable button to enable Admin SDK API for the service account.



10. Now from the left pane of API Manager select credential.



11. The following page will open up. Cick on the "OAuth consent screen" tab.

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12. In the "OAuth consent screen" page, fill the form to complete the project registration. Click "Save".

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13. You will be redirected back to the Credentials tab. Now, click on "Create credential" and select service account key from the dropdown menu.

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14. Select P12 as the key type and create a new service account by selecting it from the 'service account' dropdown menu.

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15. Enter the service account name and service account ID. Click "Create".

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16. As soon as the service account is created, a P12 key file is generated. Save the generated p12 file to a safe location.

Note: This is the P12 key file which you need to browse while adding Google Apps for password synchronization.

Opening LADSS-f3701eea9d33.p12										
You have chosen to open:										
😼 LADSS-f3701eea9d33.p12										
which is: p12 File (2.4 KB) from: data:										
What should Firefox do with this file?										
Open with Browse										
Save File										
Do this <u>a</u> utomatically for files like this from now on.										
OK Cancel										

17. You will be redirected back to the Credentials tab. Now, click on "Manage service accounts".



18. Select the service account created and click edit from options (three vertical dots at the end of account record).

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 Select "Enable-Google Apps Domain-wide Delegation" to grant domain wide access without logging to the service account. See this link for more details: <u>https://developers.google.com/admin-sdk/directory/v1/guides/delegation#delegate_domain-wide_authority_to_your_service_account</u>



20. Now click on View Client ID.

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21. Copy the Client ID and Service account email in a safe location for further use.

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22. Now go to Google Admin Console (<u>https://admin.google.com</u>) and login using your Google Apps Administrator account.

23. Click on security tile.



- 24. Click show more and go to Advanced Setting.
- 25. Click on Manage API Access.



26. Enter the Client ID generated earlier from developer console in client name and enter the following scopes in the scope field (use comma to separate them).

https://www.googleapis.com/auth/admin.directory.user, https://www.googleapis.com/auth/admin.directory.group

27. Click 'Authorize'.



28. That's it. You can start using the details in the Software.

Once the Password Synchronization settings are completed, Google Apps password resets can be successfully performed by end users.