

Milawu ya ku fikelela data ya Google Drive eka restricted-scope

Milawu leyi yi hlamusela mfikelelo wa Google Drive lowu DynamicMail yi wu kombelaka loko mutirhisi wa tenant loyi pfumeleriweke kumbe mulawuri a hlanganisa Google Drive eka workflows ta tidokhumente ta tenant.

Ti-scopes ta vutitivisi ta Google Sign-In to fana na openid, email, na profile ti hambanile na mpfumelelo lowu wa ku fikelela data ya Google Drive. Ku nghena hi Google a swi vuli leswaku u amukele mfikelelo wa Google Drive.

Scope leyi kombeleriwa

DynamicMail yi kombela <https://www.googleapis.com/auth/drive> ntsena loko mutirhisi wa tenant loyi pfumeleriweke kumbe mulawuri a hlanganisa Google Drive eka workflows ta tidokhumente ta tenant. Leyi i Drive restricted scope yo anama leyi nga pfumelelaka DynamicMail ku vona na ku lawula tifayela hinkwato eka akhawunti ya Google Drive leyi hlanganisiweke, ku katsa tifayela leti mutirhisi a nga n'winyi wa tona, tifayela leti a averiweke tona, folders, na leswi nga endzeni ka shared drive leswi kumekaka eka akhawunti yoleyo.

DynamicMail yi fanele ku tirhisa Drive scope ntsena eka workflows ta tidokhumente ta Drive leti tivisiweke, leti vonakaka, naswona ti hlawuriweke hi tenant. DynamicMail a yi fanelanga ku kombela, ku browse, ku kopela, ku download-a, ku cinca, ku susa, kumbe ku tirhana hi ndlela yin'wana na data ya Drive leyi nga fambelaniki na workflow leyi vonakaka ya tidokhumente ta Drive.

Data leyi DynamicMail yi nga fikelelaka

Loko Google Drive yi hlanganisiwile, DynamicMail yi nga fikelela data ya Drive leyi lavekaka ku nyika workflow leyi hlawuriweke ya tenant, ku katsa:

- ti-ID ta tifayela, mavito, MIME types, checksums, size, timestamps, tinhlamuselo, labels, swikombo swa folders, parent folders, na metadata yin'wana ya tifayela;
- metadata ya folders, shared-drive metadata, na mivuyelo ya search kumbe listing leyi lavekaka ku kuma tidokhumente ta tenant;
- leswi nga endzeni ka file, previews, thumbnails, exports, downloads, uploads, na file payloads leti endliweke kumbe leti edit-iweke;
- metadata ya sharing na permissions loko yi laveka ku komba kumbe ku hetisa xiendlo xa file ya Drive lexi vonakaka;

- vuxokoxoko bya summary bya Drive bya xiyimo xa akhawunti loko byi laveka ku tiyisisa akhawunti leyi hlanganisiweke na xiyimo xa connection;
- tikopi leti hlayisiweke kumbe leswi cache-iweke swa tifayela ta Drive leti ngenisiweke eka DynamicMail;
- data leyi humaka eka tifayela ta Drive, ku fana na OCR text, swivandla swa dokumente leswi parse-iweke, classification labels, mivuyelo ya extraction, swifingho, swiendlakalo swa audit, na tirhekhodo ta tidokhumente.

Hikwalahokayini DynamicMail yi tirhisa data ya Google Drive

DynamicMail yi tirhisa data ya Google Drive ku nyika workflows ta tidokhumente ta Drive leti tenant yi ti hlawuleke. Swikongomelo leswi languteriweke i:

- ku pfumelela vatirhisi lava pfumeleriweke ku hlanganisa Drive tani hi xihlovo kumbe ndhawu yo ya eka tidokhumente;
- ku kuma, ku list-a, ku ngenisa, ku download-a, ku export-a, ku upload-a, kumbe ku update-a tidokhumente ta bindzu ta tenant leti hlawuriweke hi product flow;
- ku humesa, ku avanyisa, na ku rhumela tidokhumente ta Drive eka workflows ta DynamicMail;
- ku komba xiyimo xa connection, file operation, sync, na processing eka vatirhisi va tenant lava pfumeleriweke;
- ku hlayisa tirhekhodo ta audit na operational logs leti kombaka leswaku xiendlo xihhi xa Drive xi komberiwile naswona xi hetisiwile;
- troubleshooting, vuhlayiseki, ku sivela abuse, ku tamela timholovo, na migingiriko ya ku landzela nawu leyi pfumeleriweke hi tipholisi leti tirhaka na ntwanano wa tenant.

DynamicMail a yi fanelanga ku xavisa data ya Google Drive, ku yi tirhisa eka swinavetiso kumbe retargeting, ku yi hundzisela eka data brokers, ku yi tirhisa eka ku langutisisa vanhu, kumbe ku yi tirhisa ku boha creditworthiness kumbe ku faneleka ka ku lombama mali.

Notsi ya scope yo anama na narrowest-scope

Scope ya <https://www.googleapis.com/auth/drive> yi anama hikuva yi nga pfumelela mfikelelo eka tifayela hinkwato ta Drive leti kumekaka eka akhawunti leyi hlanganisiweke. DynamicMail yi fanele ku teka scope leyi yi ri ya nkarhi wolowo ntsena ku fikela loko product review na compliance review swi tsala leswaku hikwalahokayini ti-Drive scopes leti nga tsemiwa ngopfu ti nga enelanga eka workflow leyi tirhisiweke.

Loko ku nga si va na production use, DynamicMail yi fanele ku kambisisa ti-Drive scopes leti nga tsemiwa ngopfu to fana na `drive.file`, `drive.readonly`, `drive.metadata.readonly`, `drive.appdata`, kumbe `drive.appfolder`. Loko scope leyi nga tsemiwa ngopfu yi kota ku seketela xihlawulekisi lexi vonakaka, scope leyi kombelariwaka, tirhekhodo ta

mpfumelelo, OAuth configuration, source asset, rendered asset, na tests swi fanele ku pfuxetiwa ku nga si humesiwa release.

Ku hlayisa data

DynamicMail yi hlayisa data leyi humaka eka Drive ntsena loko yi laveka eka workflow leyi vonakaka ya Drive, swiyimiso swa tenant swa ku hlayisa tidokhumente, tirhekhodo ta audit, vuhlayiseki, ku tamela timholovo, kumbe ku landzela nawu. OAuth tokens na metadata ya matirhelo ya Drive swi hlayisiwa ntsena loko swi laveka ku tirhisa integration ya Drive leyi hlanganisiweke kumbe ku hlayisa tirhekhodo ta audit leti lavekaka.

Leswi nga endzeni ka tifayela ta Drive, tifayela leti cache-iweke, metadata, OCR text, swivandla leswi humesiweke, na data ya tidokhumente leyi humesiweke swi fanele ku susiwa kumbe ku endliwa swi nga kombi munhu loko swi nga ha laveki eka xikongomelo lexi tivisiweke, handle ka loko vutihlamuleri bya nawu, vuhlayiseki, audit, kumbe ku hlayisa ka tenant byi lava leswaku swi ya mahlweni swi hlayisiwa.

Ku susa

Mutirhisi wa tenant loyi pfumeleriweke kumbe mulawuri a nga kombela ku susiwa ka data leyi humaka eka Google leyi cache-iweke, tifayela ta Drive leti ngenisiweke, text leyi humesiweke, na tirhekhodo ta tidokhumente leti humesiweke. DynamicMail yi fanele ku susa kumbe ku endla data leyi kombeleriweke yi nga kombi munhu loko swiyimiso swa tenant swa ku hlayisa data na nawu lowu tirhaka swi swi pfumelela.

Ku susa tirhekhodo leti ngenisiweke eka DynamicMail a swi vuli leswaku file ya masungulo yi susiwa eka Google Drive. DynamicMail yi fanele ku cinca, ku fambisa, ku yisa eka trash, kumbe ku susa tifayela ta masungulo ta Drive ntsena loko mutirhisi loyi pfumeleriweke a kombele xiendlo xolexo xa Drive hi ku kongoma eka workflow ya product leyi vonakaka naswona xiendlo xi pfumeleriwa hi policy ya tenant na nawu lowu tirhaka.

Ku tlherisela endzhaku mpfumelelo na ku tsema connection

Tenant yi nga tsema Google Drive eka DynamicMail. Endzhaku ka ku tsema connection kumbe ku tlherisela endzhaku mpfumelelo wa laha kaya, DynamicMail yi fanele ku tshika ku tirhisa OAuth tokens leti hlayisiweke ta Google Drive naswona yi fanele ku tshika ku hlaya, ku tsala, ku download-a, ku upload-a, ku cinca, kumbe ku susa tifayela tin'wana ta Drive eka akhawunti leyi hlanganisiweke.

N'winyi wa akhawunti ya Google a nga tlhela a tlherisela endzhaku app authorization eka swiyimiso swa akhawunti ya Google. Loko Google authorization yi tlheriseriwe endzhaku, DynamicMail yi fanele ku yimisa mfikelelo wa Drive API loko token refresh kumbe API calls ti tsandzeka, naswona connection yi fanele ku kombisiwa yi tsemiwele kumbe yi lava ku hlanganisiwa nakambe.

Ku tlherisela endzhaku mpfumelelo wa laha kaya a ku susi hi ku tisungulela tidokhumente ta DynamicMail leti se ti ngenisiweke. Tirhekhodo teto ti lawuriwa hi milawu ya ku susa na ku hlayisa data leyi nga laha henhla.

Ku tirhisa AI, OCR, na extraction

DynamicMail yi nga tirhisa OCR, parsing, classification, summarisation, na processing yin'wana leyi pfunetiwaka hi AI eka leswi nga endzeni ka tifayela ta Drive na metadata ntsena ku nyika kumbe ku antswisa workflow leyi vonakaka ya tidokhumente ta Drive ya tenant. Data ya Drive na data leyi humesiweke eka yona a yi fanelanga ku tirhisiwa ku aka, ku letela, kumbe ku antswisa general-purpose machine-learning kumbe AI model ehandle ka xihlawulekisi lexi tenant yi xi kombeleriki.

Mivuyelo leyi pfunetiwaka hi AI yi nga hoxeka. DynamicMail yi fanele ku komba data leyi humesiweke tani hi mbuyelo wa workflow lowu vatirhisi lava pfumeleriweke va nga wu kambisisaka, wu lulamisa, wu pfumelela, wu ala, kumbe wu susa hi ku ya hi product flow.

Nseketelo na mfikelelo wa vanhu

Vatirhi va DynamicMail, contractors, kumbe subprocessors a va fanelanga ku hlaya tifayela to karhi ta Drive, text leyi humesiweke, metadata ya file, kumbe data leyi humaka eka Drive handle ka loko xin'wana xa swiyimo leswi xi ri kona:

- mutirhisi u kombele nseketelo hi ku kongoma lowu lavaka mfikelelo eka data yo karhi;
- mfikelelo wa laveka eka ndzavisiso wa vuhlayiseki, ku sivela abuse, kumbe incident response;
- mfikelelo wa laveka ku landzela nawu, legal process, kumbe xileriso xa tenant lexi bohangaka;
- data yi hlanganisiwile kumbe yi endliwile yi nga kombi munhu eka mitirho ya le ndzeni naswona leswi nga endzeni ka Drive ya mutirhisi wo karhi a swi hlayeki.

Mfikelelo wa nseketelo wu fanele ku va least-privilege, wu va na nkarhi lowu pimiweke laha swi kotekaka, naswona wu log-iwa leswaku wu kota ku audit-iwa.

Xiyimo xa ku kambisisiwa

I xitirhisiwa xa ku tirhisa na xa ku lokalayiza, ku nga ri xitsundzuxo xa nawu xa final.

Swikombo

- DynamicMail restricted-scope contract:
Documentation/DynamicMail/LocalizedIntegrations/google-restricted-scope-compliance-contract-2026-06-02.md
- Google API Services User Data Policy: <https://developers.google.com/terms/api-services-user-data-policy>.

- Google Workspace API user data and developer policy:
<https://developers.google.com/workspace/workspace-api-user-data-developer-policy>
- Google Drive API scopes:
<https://developers.google.com/workspace/drive/api/guides/api-specific-auth>
- Google restricted-scope verification guidance:
<https://developers.google.com/identity/protocols/oauth2/production-readiness/restricted-scope-verification>