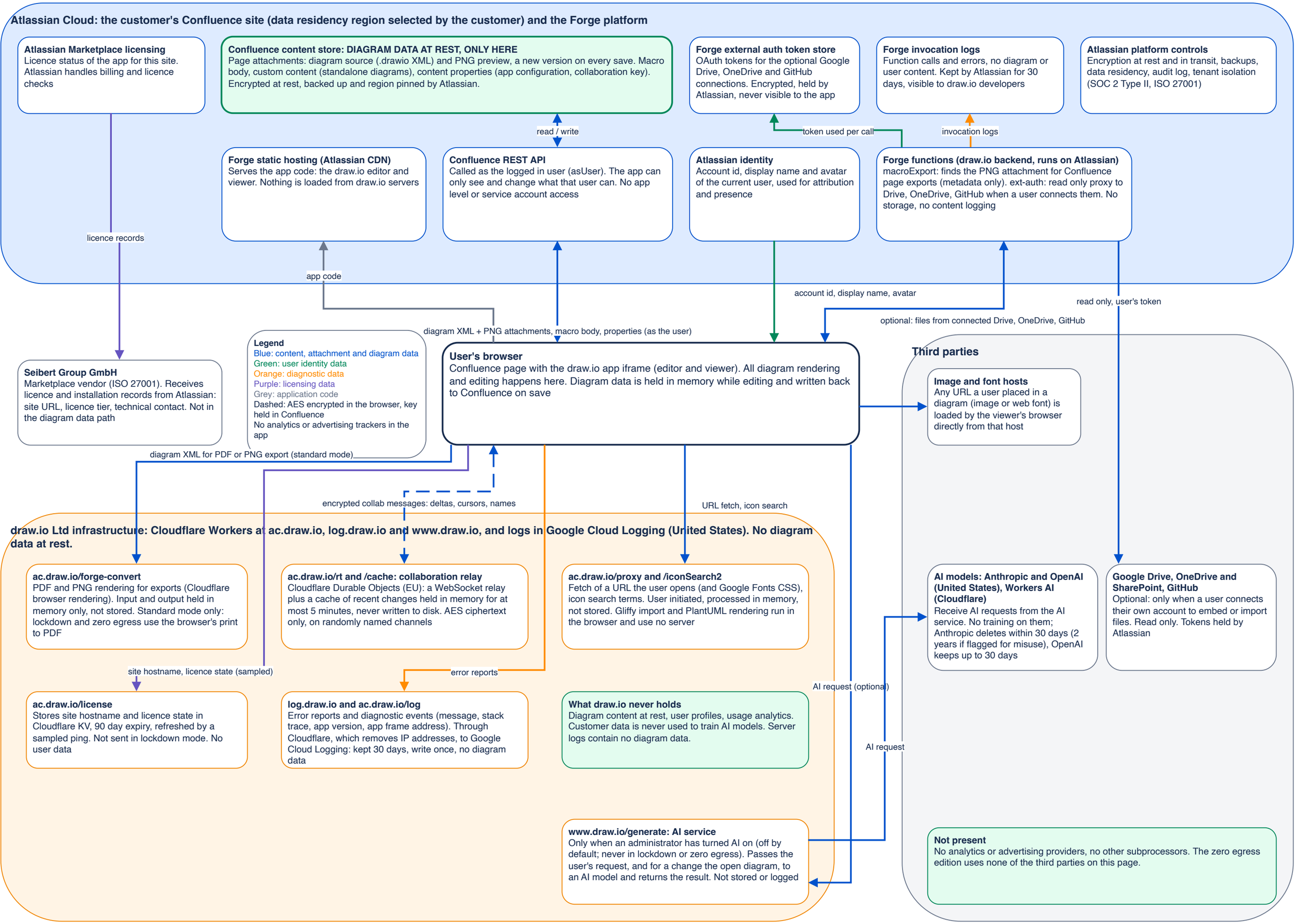
Architecture Diagram: draw.io for Confluence Cloud (com.mxgraph.confluence.plugins.diagramly), standard edition

Diagram data is stored only in the customer's Confluence site. Arrow colour = data category (see legend). Dashed arrows carry AES encrypted content only. Connections below the browser are optional or user triggered; lockdown mode switches all of them off except error reports. Shown as released in version 6.35.0 (October 2026).



Lockdown mode and the zero egress edition
Lockdown mode (a switch in the app configuration) runs the editor in offline mode: it disables real time collaboration, the AI features, server side export (print to PDF is used instead), the URL proxy, icon search, the licence ping and the optional cloud storage connections. In lockdown the only connections outside Atlassian are error reports and any image or font a user has referenced in a diagram. The separate zero egress edition has no external connections at all, enforced by the Forge platform rather than by configuration.

Architecture Diagram: draw.io Zero Egress for Confluence Cloud (com.jgraph.confluence.drawioforge)

Diagram data is stored only in the customer's Confluence site. The app declares no external permissions, so the Forge platform blocks every connection outside Atlassian: nothing below the browser exists for this edition. Arrow colour = data category (see legend). Shown as released in version 5.25.0 (October 2026).

Atlassian Cloud: the customer's Confluence site (data residency region selected by the customer) and the Forge platform

Atlassian Marketplace licensing
Licence status of the app for this site. Atlassian handles billing and licence checks

Confluence content store: DIAGRAM DATA AT REST, ONLY HERE
Page attachments: diagram source (.drawio XML) and PNG preview, a new version on every save. Macro body, custom content (standalone diagrams), content properties (app configuration, drafts). Encrypted at rest, backed up and region pinned by Atlassian.

Platform enforced zero egress
The manifest declares no external fetch, image, font or script permissions. Forge blocks anything else at runtime; no setting can re-enable it

Forge invocation logs
Function calls and errors, no diagram or user content. Kept by Atlassian for 30 days, visible to draw.io developers

Atlassian platform controls
Encryption at rest and in transit, backups, data residency, audit log, tenant isolation (SOC 2 Type II, ISO 27001)

read / write

invocation logs

Forge static hosting (Atlassian CDN)
Serves the app code: the draw.io editor and viewer. Nothing is loaded from draw.io servers

Confluence REST API
Called as the logged in user (asUser). The app can only see and change what that user can. No app level or service account access

Atlassian identity
Account id, display name and avatar of the current user, used for attribution

Forge functions (draw.io backend, runs on Atlassian)
macroExport: finds the PNG attachment for Confluence page exports (metadata only). backend: app context for the post install page. No storage, no content logging, no outbound calls

licence records

app code

account id, display name, avatar

diagram XML + PNG attachments, macro body, properties (as the user)

Seibert Group GmbH
Marketplace vendor (ISO 27001). Receives licence and installation records from Atlassian: site URL, licence tier, technical contact. Not in the diagram data path

Legend
Blue: content, attachment and diagram data
Green: user identity data
Orange: diagnostic data
Purple: licensing data
Grey: application code
Red: blocked by the platform
No analytics or usage telemetry exists in the app

User's browser
Confluence page with the draw.io app iframe (editor and viewer). All diagram rendering and editing happens here. Diagram data is held in memory while editing and written back to Confluence on save. Multi-user editing uses autosave plus polling of the file in Confluence, so no relay is involved

No connection leaves Atlassian. Any request to another host is refused by the Forge runtime because the app declares no external permissions

Outside Atlassian: nothing is contacted by this edition

draw.io Ltd infrastructure: not contacted
No licence ping, no error reports, no export rendering, no collaboration relay, no URL proxy, no icon search. draw.io Ltd holds no record of the site beyond the Marketplace licence records that Atlassian provides to the vendor.

Third parties: none
No Google Drive, OneDrive or GitHub connections, no analytics or AI providers. Image and font URLs referenced inside a diagram are not loaded, because the platform blocks external hosts.

How the affected features work instead
PDF export uses the browser's print to PDF. Gliffy import and PlantUML rendering run in the browser. Multi-user editing uses autosave plus polling of the file in Confluence (30 second default), so no relay is needed.

Difference from the standard edition
The standard edition adds optional, user triggered connections (export rendering, collaboration relay, URL proxy, icon search, the AI features, cloud storage connections) plus a licence ping and error reports, and can switch most of them off through lockdown mode in its configuration. The zero egress edition removes all of them at the platform level: the manifest declares no external permissions, so the Forge runtime blocks every request outside Atlassian rather than relying on configuration.