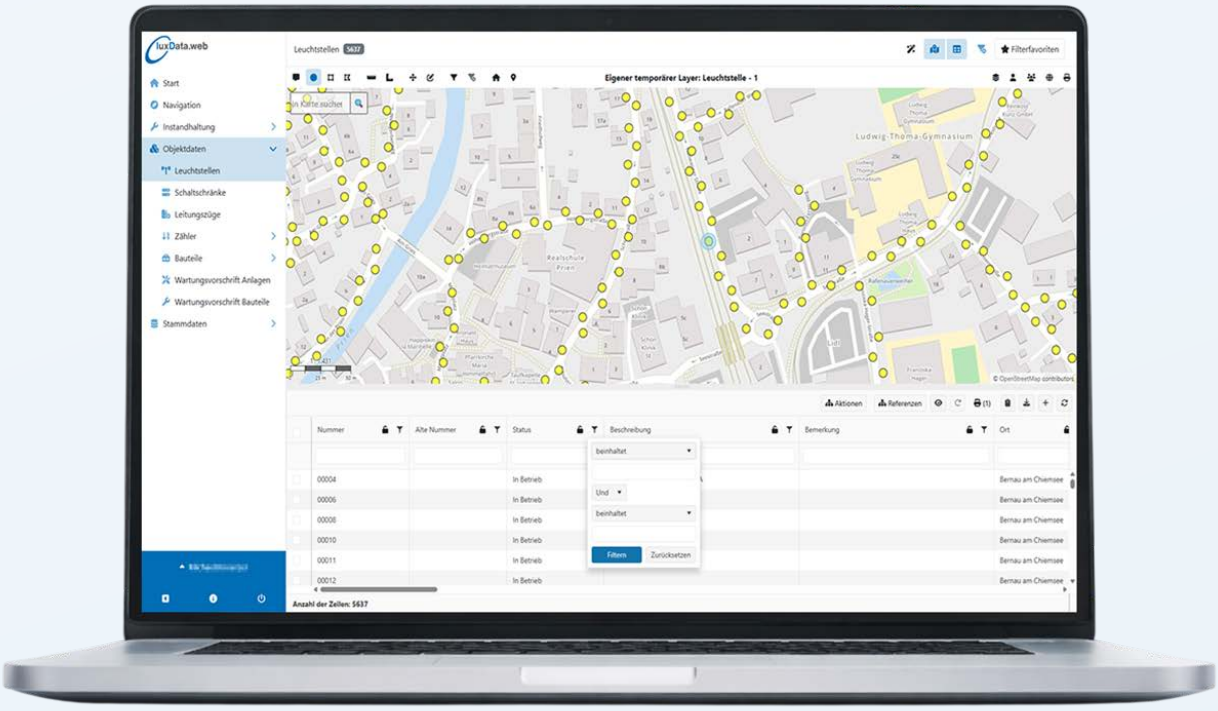
PRODUCT DESCRIPTION

luxData.web
luxData.mobileWeb

Web-based information solution and fault recording for any objects – light points, traffic signals, charging stations and more. With optional maintenance directly in the browser.



Information

Maintenance

Faults

Mobile

OVERVIEW

What is luxData.web?

luxData.web is a web-based portal that gives internal and external users easy access to released data and GIS information. Evaluations of master and maintenance data can be created in a user-friendly way – and, if required, **faults can be recorded directly in the system**.

The challenge

If objects such as street lighting, traffic signals or charging stations are the responsibility of external operators, the question of data provision often arises. Operators regularly have to provide information:

- What is the scope of the data inventory?
- How quickly were faults rectified?
- Was the last maintenance cycle completed?
- Can the objects be displayed in a GIS?

Connecting the customer to the company's own network is often undesirable or complex for security reasons – and the entire luxData database is usually not meant to be fully visible.

> **The solution:** luxData.web provides exactly the released data – web-based, compliant with permissions and without having to open the entire database.

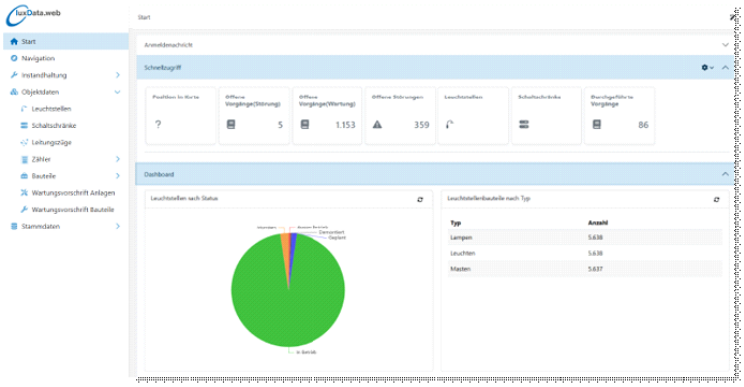
GETTING STARTED

Configurable dashboard

After logging in, you reach the dashboard – with information, overviews and graphical evaluations, individually configurable.

You decide which information is visible at first glance. The dashboard provides a quick overview of the **asset inventory** and **open faults** – so when you log in, you can immediately see whether, for example, the fault resolution time has improved over recent weeks.

When data is changed, it automatically flows into the overviews and is available updated at the next login.



Quick access

Jump directly to open faults or operations – without lengthy navigation.

Evaluations

Graphical displays of inventory, faults and resolution time.

Admin info

Log entries (login times) and job entries of open tasks can be viewed.

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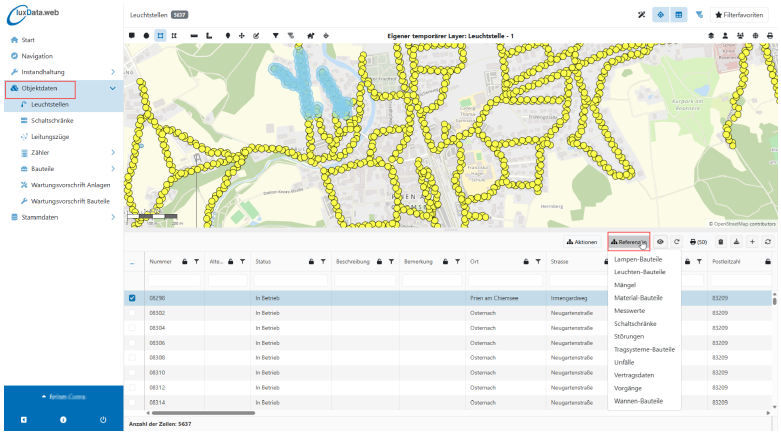
DATA

Master data & evaluation

Table and map in one view – sortable, filterable and exportable as a report at any time.

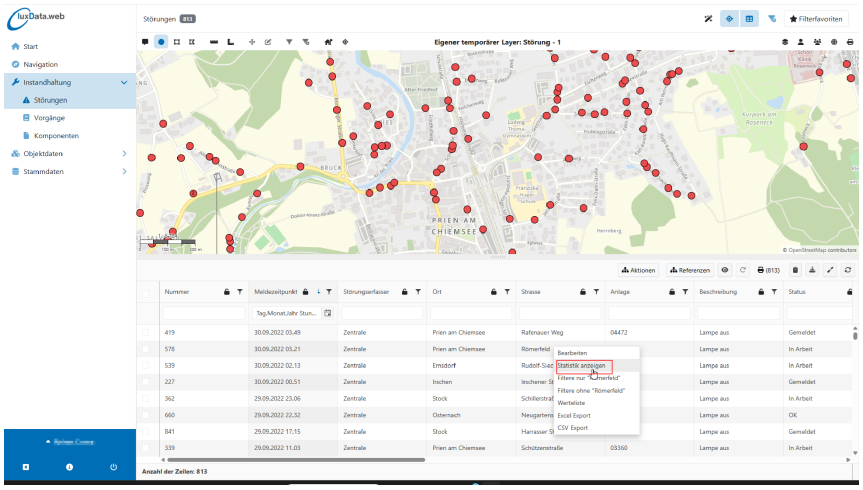
The master data overview is built as a **table** and **map component** and shows all details of the master data. The list can be sorted and filtered as required.

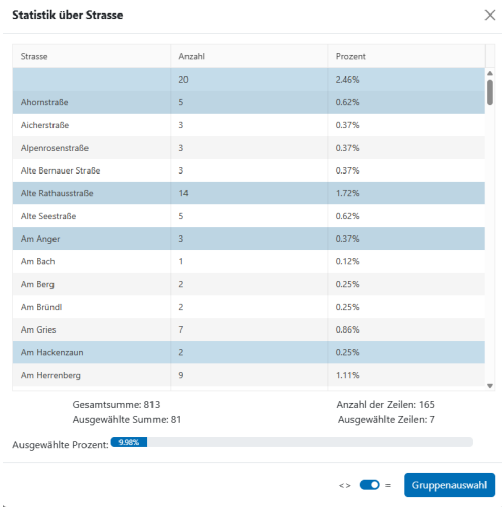
If permissions allow, existing light points can be edited or deleted, a fault created or a document added. The entire data set – or a filtered subset – is displayed on the map.



Statistics function

Usable in every grid overview: select a criterion (e.g. the street for faults), right-click, **“Statistics”**. A green bar shows the percentage of the selection. The selection can be shown directly in the grid again (group selection =) or inverted (group selection <>).



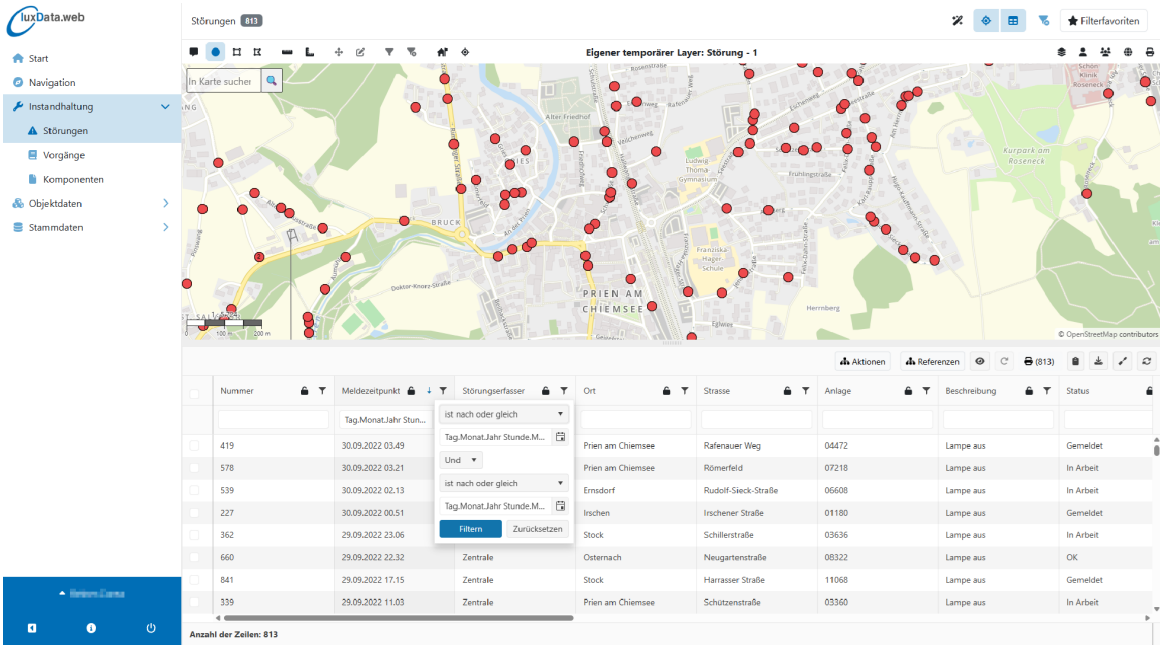


MAINTENANCE

Faults at a glance

Faults as a table and in parallel on the map – for easy location and fast processing.

The faults stored in luxData are displayed in a table in luxData.web. Sorting and filtering by every field as well as configuring the column layout provide a simple overview of the current fault status of the lighting inventory. Thanks to the parallel map view, locating them is effortless.



Custom layers

Configure views yourself and make them available to other employees in the company.

Filter & select

Extensive tools in table and map; map mode can optionally be switched off.

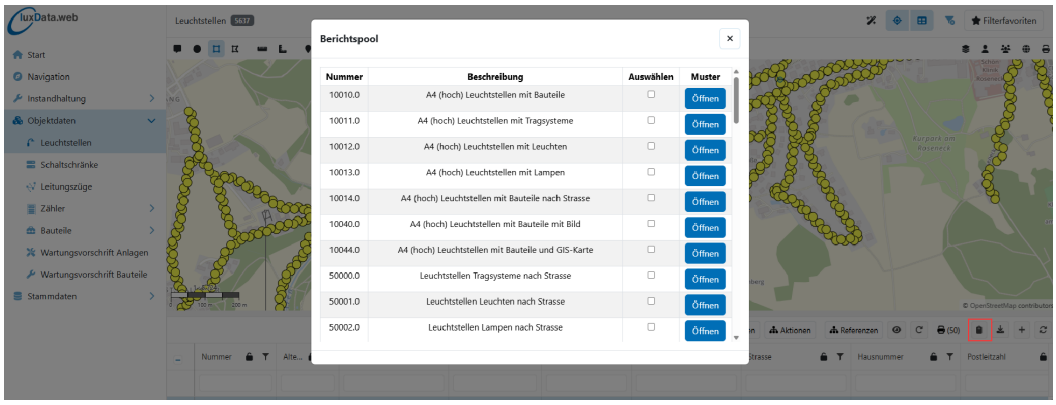
PDF export

Export the view directly from the map as a PDF.

If permissions allow, faults can be edited, deleted or newly created and details displayed. Documents such as photos can also be attached.

Report pool

Usable on every overview page: select data rows, click the icon – a window with various reports opens. **“Sample”** shows example data, **“Selection”** automatically creates the report with your selected data.



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MOBILE

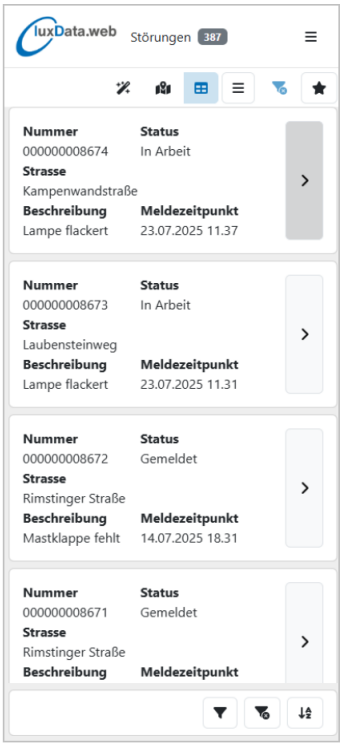
Completing maintenance online

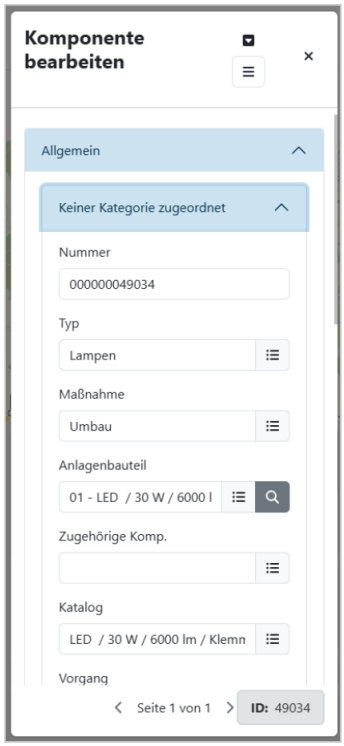
luxData.mobileWeb – the extension licence for maintenance work, independent of the operating system, directly in the browser.

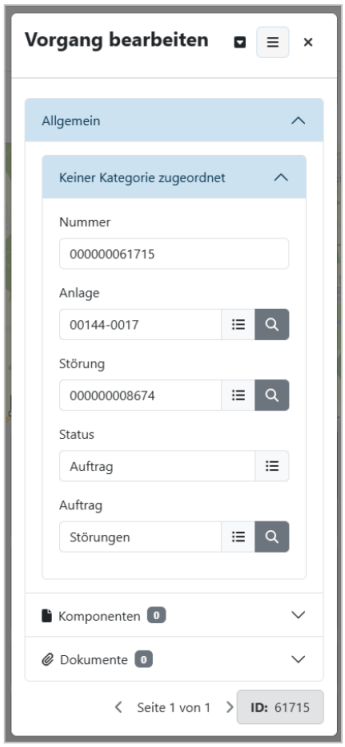
Maintenance work is required for street lighting, traffic signals or charging stations. So that technicians – whether on Android or iOS – remain flexible and can complete work **online** on any device, there is luxData.mobileWeb. It is a licence extension of luxData.web.

Features

- Technician is always online with the device
- Works in the browser on any type of device
- No synchronisation required
- Changes saved immediately and directly visible







Switching from luxData.mobileApp: Maintenance is possible with the mobileApp (Android/iOS) or with mobileWeb (browser). You can switch at any time – just get in touch with us.

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MOBILE

Working in the field

Optimised for mobile devices: operations, components and recurring actions quickly at hand.

Action buttons

Store recurring actions (e.g. lamp replacement, luminaire conversion) as buttons – created in luxData.licht/lsa/ebox and provided in mobileWeb. Grouping into categories makes them easier to find.

Operations & components

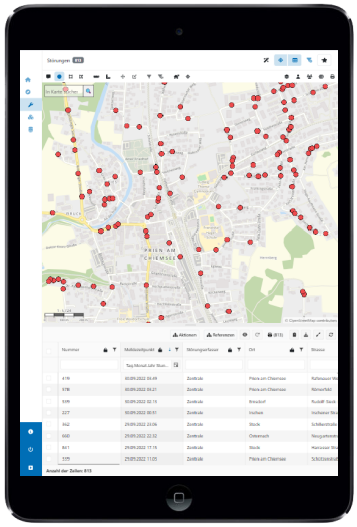
Same procedure in table and map: filter, select and export – if permissions allow.

References

View the associated references in every interface – such as tasks/orders for operations or components/faults for light points.

Navigation

Search even faster, e.g. for a street, and display it on the map or in the table.





Barcodes with luxData.scanApp

Barcodes make maintenance work easier – the asset itself or a command is scanned. As mobileWeb runs in the browser, the **luxData.scanApp** handles communication with the scanner hardware and passes on scanned codes. Licensing runs via luxData.web – at no extra cost. You define which commands a barcode triggers.

Create new fault	000001

Fault type

Normal fault	000002
Accident	000003
Vandalism	000004
Cable fault	000005

Fault status

OK	000012
Query	000013

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INFORMATION

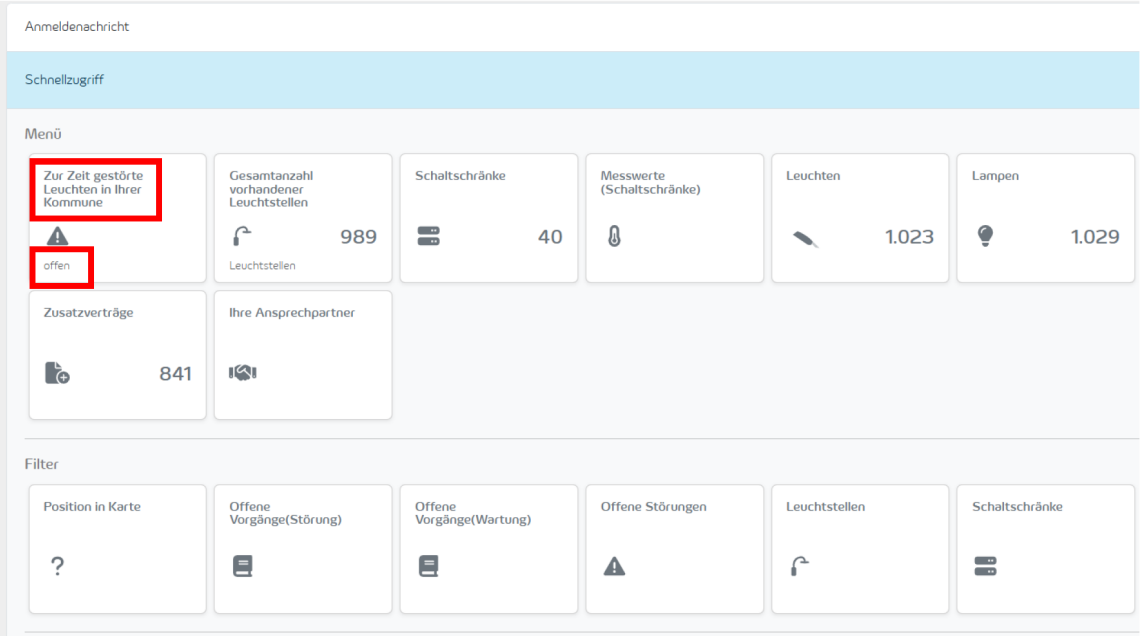
Customer portal & customising

Provide released data even more easily – in your own corporate design.

Customer portal

For many municipalities or local administrations, the **customer portal** offers particularly easy access to released data. It is available to every luxData.web licensee – can be activated at group or user level under luxData.web > General.

- Show counts in tiles (e.g. light points, control cabinets)
- Group tiles
- User management with contact details of the contact persons



Customising

luxData.web is often used as an information solution for external clients – visible as **your** application. Customisable globally or per user group:

- Logo on all pages
- Legal notice
- Banner colours
- Font on all pages

Other languages and design according to your corporate identity are also possible.

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ADMINISTRATION

Users & permissions

Central control in luxData – down to individual field values, optionally via Active Directory.

User management takes place within luxData as usual. Optionally, authentication can be performed via central directory services such as **Active Directory**. Pre-filters and permissions from luxData are applied automatically; user- and group-specific rights down to field level are possible.

Operators who maintain data for several customers in one luxData database can restrict users and groups to individual locations. Filtering by **cost bearer** or **owner** is also possible – so each customer only sees the data released for them.

Roles & rights

Read, edit and delete rights, assignable at group or individual level.

Fine-grained control

Down to individual field values – users only see what they really need.

Multi-client capable

Rights per location, cost bearer or owner – ideal for operators with several customers.

TECHNOLOGY & REQUIREMENTS

Data access & operation

Three ways of communication between luxData.web and the luxData database – matching the respective purpose.

Via intranet

Internal provision of information or fault recording via direct access to the luxData database.

Intranet & internet

Access from outside via the luxData.web server in the DMZ – external users securely access released data.

Hosting at sixData

Virtualisation platform on dedicated servers; access via Citrix or MS RDP – luxData.web is perfectly suited for this.

System requirements

SQL Server / operating systems

Support in accordance with the product lifecycle specified by Microsoft for SQL Server as well as client and server operating systems.

Network / internet connection

Bandwidth at least 100 Mbit between client and database server; recommended latency not higher than 5 ms (e.g. WLAN).

Redundant connection via three carriers, secured power supply with emergency diesel generators and high availability in a professional data centre – almost ten years of hosting experience for desktop, web and mobile applications.

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INTERACTION

From information to maintenance

luxData.web and luxData.mobileWeb work hand in hand – from data access to documented fault resolution.

1. **Data access & information**
   Provide released master and GIS data web-based – internally and externally.
2. **Fault recording**
   View, create, edit and document faults in table and map.
3. **Maintenance online**
   Complete operations and components in the field with mobileWeb, browser-based.
4. **Barcode support**
   Scan assets and commands via luxData.scanApp – freely definable actions.
5. **Evaluation & reporting**
   Statistics, report pool and PDF export for meaningful records.
6. **Customer portal**
   Give external parties simple, permission-compliant access in your own CI.

TRUST

Security & transparency

Made in Germany – software, hosting and support are developed in Germany. Data protection is an integral part of the product architecture.

Made & Hosted in Germany

Development and hosting in Germany, all data in German data centres – no transfer to third countries.

ISO 27001 certified

For more than five years – incl. daily backups, 24/7 monitoring and regular security audits.

Privacy by Design & Default

Minimal data collection, secure default settings and access controls from the outset.

DPA & GDPR

Processing exclusively on instruction in accordance with Art. 28 GDPR – we support you with the data processing agreement (DPA).

Data subject rights to access, rectification, erasure and restriction are implemented with simple queries. Automatic anonymisation after defined periods and generable deletion logs complete the GDPR functions. The full privacy policy is available at **www.sixData.de**.

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