



digicentral

WEB



CONTENT OVERVIEW

- ⇒ Setting up an Account
- ⇒ Installing Devices
- ⇒ Setting up Schedules
- ⇒ Administering Vehicles
- ⇒ Monitoring

USER GUIDE

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Sign In/Login

There are 3 pieces of information needed to login at 'dcsre.tachosys.eu':

- Account ID
- User
- Password



digiCentral

Monday, 16 April 2012 | English |

Sign into Stoneridge digiCentral

Account ID: STONERID00

User: ADMINISTRATOR

Password: *****

Sign In

Fig 1.

User access levels

There are two basic levels of access; Administrator and Standard User.

Standard User level access

- View home page (dashboard) and customise
- View employees and setup download schedules
- Manually download driver card files
- View vehicles and setup download schedules
- Manually download VU files
- View devices and status
- View historic download requests for troubleshooting

Administrator access

Includes all aspects of the Standard User together with;

- Modify and delete all download schedules
- Ability to Add/ Edit /Delete Employees and Vehicles
- Ability to Add/Edit /Delete Devices.
- Apply firmware upgrade to devices
- User access control and setting up locations
- Company card registration
- Forwarding data for third party analysis
- Access to download software tools for use with digicentral Web.

My Account Settings (Administrators Only)

The 'My Account' tab is only available for users with Administrative privileges.

Locations

If the site is to be segregated by depot for instance or the account is used by more than one organisation you need to setup logical locations. The locations you define should then be set against each new or existing; Device, Vehicle and Employee. This in turn allows you to setup system 'Users' with only access to their Location specific information.

You can save a great deal of time if you set a default schedule for each Location. This means that a Vehicle assigned to this Location will automatically inherit this default schedule. In addition any Driver Card that is placed in the same Tachograph will also inherit the defined Driver Card schedule. Bear in mind that if you do not want to download every Driver Card then you can choose to not set a default here. Instead you can set an individual schedule within the Employee section for each Employee.

Locations

Create new location:

Name: * Dundee Depot

Description: Dundee Quayside division

Files are forwarded to:

Default company card: Dundee Depot

Default employee schedule: *

Default vehicle schedule: *

Employee schedule:

Rekurs every: * 10 day(s)

Vehicle schedule:

Activity: * Since last

Faults and events: *

Detailed speed: *

Technical data: *

Rekurs every: * 1 month(s)

on day 1

on the first Monday

* = required fields.

Fig 2.

My Account Settings (Administrators Only)

Company Cards

If you are performing remote download with the digiDL then you have to create a company card(s) entry on digicentral Web. This entry is used to create a relationship between the Company Card and the Vehicles. Once you create a Company Card record you can then assign this card to each relevant vehicle. This will mean that when Vehicles connect to digicentral Web they will know which card to locate.

Start by selecting the My Account tab and navigate to “Company Cards”. Select the “Register new company card” button. The card number and description should be as descriptive as possible as they will be used to identify the card in what could be a long list. A name and description such as; “Main Depot North” is more useful than the card number for instance. These fields are not used by the system to identify the card so are freeform.

Once a company card is created the system generates a unique key. This key is used to create the internal system link between the company card and the digiDL devices relevant to it.

The physical Company Card is connected to digicentral Web via a Windows™ PC or Server running digicentral Authenticate. You also need a USB card reader for this and we recommend the “OMNIKEY 3121 USB” and Internet access. A permanent connection is created between digicentral Authenticate and digicentral Web so that the Company Card is always available.

You can obtain digicentral Authenticate straight from the Software section of digicentral Web (see page 8). It has its own setup manual which can be downloaded from digicentral Web or www.tachosys.com.

There are three basic elements that the administrator must identify from the site and provide to the installer of digicentral Authenticate;

- a. The host name: host for digicentral Web server.
- b. ID: the account ID from digicentral Web server.
- c. Key: the Company Card key generated by the server.

This information is available within My Account - Company Cards (see fig 3.)

My Account Settings (Administrators Only)

The screenshot shows the 'My Account' settings page for administrators. The page has a navigation menu with 'Home', 'Employees', 'Vehicles', 'Devices', and 'My Account'. The 'My Account' section is active, showing a sidebar with options like 'Account details', 'User access', 'Locations', 'Notifications', 'Company cards', 'Forwarding', 'Device SMS', 'Software', and 'Terms and Conditions'. The 'Company cards' section is expanded, displaying a table of company cards. The table has columns for 'Key', 'Card Number', 'Description', 'Last Accessed', 'Error', 'Default', and 'Actions'. There are two rows of data. The first row has a key 'xd6q833x', card number '400000002631000', and description 'Arbroath Depot card'. The second row has a key 'uz3y27bx', card number 'Dundee Depot', and description '3100000024640000'. The 'Default' column has checkboxes, and the 'Actions' column has 'Edit' and 'Delete' links.

Monday, 16 April 2012 | English | Sign Out
User: Administrator | Sign Out

Home Employees Vehicles Devices My Account

Account details
User access
Locations
Notifications
Company cards
Forwarding
Device SMS
Software
Terms and Conditions

Keyword Search

Company cards

ID: STONERID00

Key	Card Number	Description	Last Accessed	Error	Default	Actions
xd6q833x	4000000002631000	Arbroath Depot card			<input type="checkbox"/>	Edit Delete
uz3y27bx	Dundee Depot	3100000024640000			<input type="checkbox"/>	Edit Delete

Fig 3.

If all vehicles registered on the site can be authorised by the same card then it can be set as “default”. All vehicles with a digiDL fitted will try to authenticate with the default Company Card.

To assign a vehicle to the correct company card (administrators only) you must go to the Vehicles tab, select the vehicle and select “edit” on the far right of the Vehicle row. Use the drop down menu to select the appropriate Company Card and select the Confirm button. The Vehicle summary screen clearly displays the Vehicles which have been assigned a Company Card (see fig 7. Page 12).

Important!

If vehicles on the site use a variety of Company Cards then **do not** set any as “default” you must however ensure that each vehicle is assigned to the correct Company Card.

My Account Settings (Administrators Only)

Other My Account Settings

- 1) Account details: overall site contact information.
- 2) User Access: add, edit and delete administrative and standard users. If you are using 'Locations' then you must assign a Location to a user in order to filter web site data by location. A user without a location will see all data for the site.
- 3) Notifications: the result of any notifications you set, will appear in the notifications window on the home page. Some notifications are set at system level so will always appear such as; receipt of files and devices pairing with vehicles. You can optionally set a notification for any issues with company cards where they may become disconnected from the system. Further notifications will become available as system functions are added.
- 4) Forwarding: this is a definition area for forwarding entries which can be made available to devices. Devices can currently forward to any digicentral server or specifically to an OPTAC3 Web account.
- 5) Device SMS: allows a GPRS device to return its internal telephone number for diagnostic purposes. This would be used where a SIM card has lost data connectivity or the unit has lost connection to a server.
- 6) Software: ability to download all desktop based software relevant to Tachosys devices and digicentral Web (see fig 4.).
- 7) Terms and Conditions: conditions of use, copyright and warranties.

Software Title	Description of use
digicentral Archive Sync	Allows you to automatically download Driver Card and VU files direct from digicentral Web as they appear.
digicentral Authenticate	Connects a company card to digicentral Web. Essential to support digiDLs.
digiconnect	For connection of digivu or digifobpro to a PC for archiving.
Tacho File Viewer	A technical file viewer for tachograph files.

Fig 4.

Setting digicentral Web language and zone options

Click on the spanner top right of the screen. This reveals the language and time zone specific preferences (see fig 5.). You may ignore the pressure and temperature settings unless you are using our tyre monitoring feature. The distance units represents; 'm' for metres and 'ft' for feet, therefore Metric or Imperial.

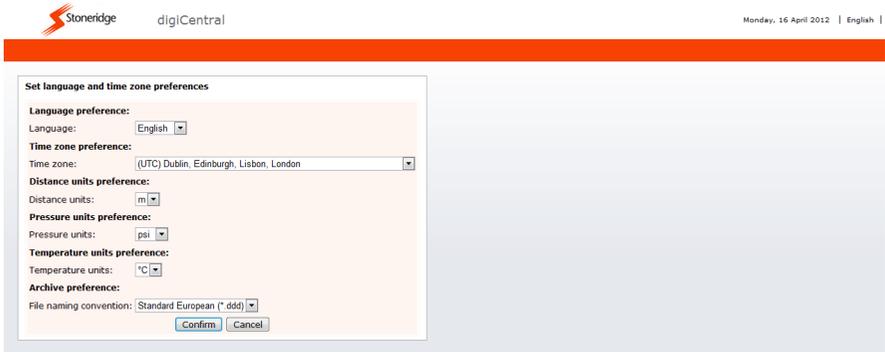


Fig 5.

Devices

The Devices tab contains a list of currently registered devices by serial number. Device records are created manually by an Administrator (see fig 6.).



Register new device:

Serial Number: *

Device PWD: *

Location: ▼

Files are forwarded to: ▼

* = required fields.

Fig 6.

The Serial Number and the Device Password will both be available on the product packaging or on the device label. Location is used where the account data needs to be split by depot for instance. Users can be setup with access to a single location therefore ensuring they only see data relevant to them. File forwarding is only required if you are passing files to another party for analysis.

Please note that the PWD entry (password) is a unique string which is used by your service provider or on your own digicentral for initial registration of the device. It avoids communication by random devices with digicentral. Coupled with our encryption it provides added security.

Standard Users may: View devices, view Tachograph Data Requests for devices and view Firmware Upgrade Requests for devices.

Administrators may additionally: edit and delete Devices, edit and delete download schedules and apply firmware upgrades to devices. Administrators can also set a Location for the Device.

Firmware upgrades can be applied to a device. The current firmware of the device together with a summary of the settings is listed in the Devices screen (see fig 7.). When you highlight a device the information window on the left of the screen shows the latest upload and for digiDL the vehicle associated.

Devices

Stoneridge digiCentral Monday, 16 April 2012 | English | 
User: Administrator | [Sign Out](#)

[Home](#) [Employees](#) [Vehicles](#) **[Devices](#)** [My Account](#)

Devices

Tasks
Tachograph data requests
Firmware Upgrades

Keyword Search

8110030 (digiDL)
Latest Vehicle: ??????????????
Latest Card No: SRE00000000004
Outstanding: 1
Downloads:
 [Upgrade firmware](#)

Devices

Records per page: [1 / 1](#)

Serial Number	Type	Firmware	Location	Last Accessed	Forwarding to	Active	Actions
8110030	digiDL	1.15 S		02/04/2012 14:54		<input checked="" type="checkbox"/>	Edit Delete
8980014	digiDL	1.03 S		15/03/2012 16:01		<input type="checkbox"/>	Edit Delete

Fig 7.

Vehicles

The Vehicles tab contains a list of currently registered vehicles by vehicle registration number (see fig 8.). Vehicle records are automatically created in this window when a digiDL device is commissioned. It is then only necessary to assign a Location to the vehicle.

Standard Users may: View vehicles, add download schedules, view the archive and manually download files.

Administrators may additionally: edit and delete vehicles and edit and delete download schedules. Administrators can also set a Location for the Vehicle (see My Account Settings page 5 for more information on Locations). You can save a lot of configuration time if you set a default schedule for a Location as any new Vehicles will automatically inherit this (see Locations page 5).

When you highlight a vehicle you can see which device is associated with it in the left hand information window.



The screenshot shows the digiCentral interface. The top navigation bar includes Home, Employees, Vehicles (selected), Devices, and My Account. The left sidebar contains options for Vehicles, Scheduled data requests, Archive, and Vehicle types. A Keyword Search box is present. The main content area is titled 'Vehicles' and features an 'Add new vehicle' button. Below this is a table titled 'Vehicles by Registration' with columns for Registration, Location, Company Card, Latest Download, Latest VIJ Access, Latest Authentication, and Actions. A single record is visible: SP04WHD, Dundee, Dundee Depot, 02/04/2012 16:33. The Actions column for this record contains 'Edit' and 'Delete' links. The bottom left sidebar shows 'PROGRAM (8980014)' with links for 'Tachograph data requests' and 'Add Scheduled data request'.

Registration	Location	Company Card	Latest Download	Latest VIJ Access	Latest Authentication	Actions
SP04WHD	Dundee	Dundee Depot			02/04/2012 16:33	Edit Delete

Fig 8.

Employees

The employees tab contains a list of currently registered employees by driver card number (see fig 9.) Employee records are created automatically when driver cards are uploaded via digiDL or digipostpro. Driver Cards can also be uploaded via digiconnect the software used to support digivu and digifobpro on the Windows platform.

Standard Users may: View employees, add download schedules, view the archive and manually download files. A scheduled Driver Card download is not specific to a Vehicle. The card will be located amongst multiple vehicles.

Administrators may additionally: edit and delete employees and edit and delete download schedules. Administrators can also set a Location for the employee (see My Account Settings page 5 for more information on Locations). You can save a lot of configuration time if you set a default schedule for a Location as any new Employee will automatically inherit this (see Locations page 5).



The screenshot shows the digiCentral web interface. At the top, there is a navigation bar with 'Home', 'Employees', 'Vehicles', 'Devices', and 'My Account'. The 'Employees' tab is selected. Below the navigation bar, there is a sidebar on the left with links for 'Employees', 'Scheduled data requests', 'Archive', and 'Messages'. The main content area is titled 'Employees' and contains a table with the following data:

Card Number	Driving Licence	Name	Location	Latest Download	Schedule	Actions
SRE0000000004		Steve, McClellan	Dundee			Edit Delete

Additional details on the page include a 'Keyword Search' box, a 'Card Number' field with the value 'SRE0000000004', and a list of employee details: 'Driving Licence No.:', 'Forenames: Zhadine', and 'Surname: Henry'. There is also a link to 'Add Scheduled data request'.

Fig 9.

Dashboard/Home Page

Dashboard / Home Page

The home page consists of a customisable 'dashboard' providing information on system totals, warnings and notifications, overdue files and existing schedules. You can turn on and off dashboard windows by clicking on the 'Customise' button. You can also drag and drop and resize windows. Data in this window is specific to your login and is filtered by Location.

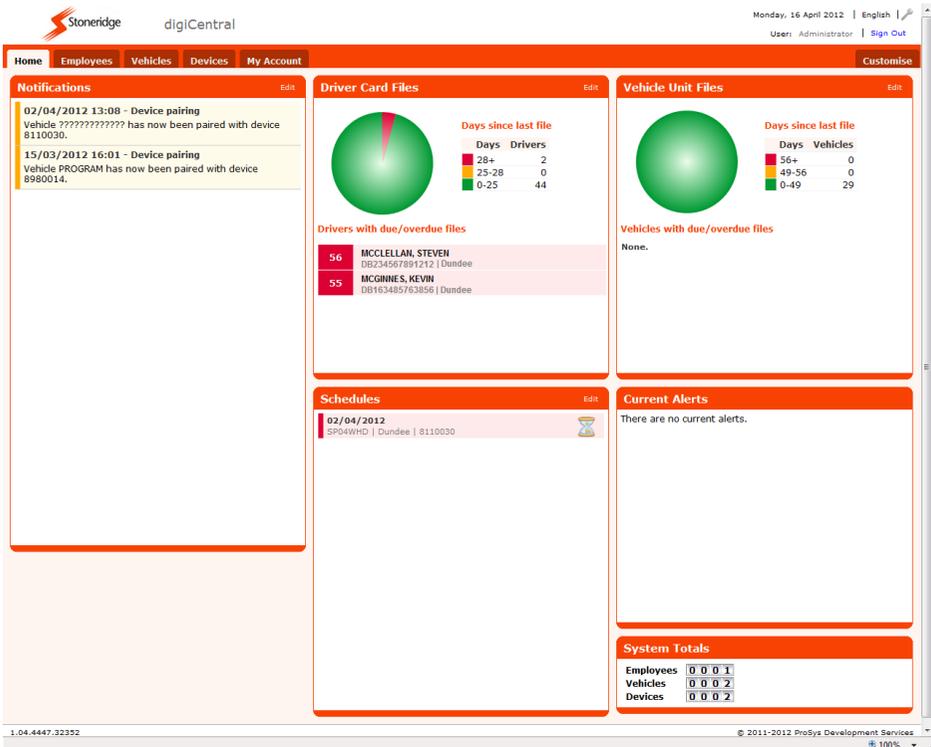


Fig 10.

Troubleshooting

Using digicentral Web to Troubleshoot

Digicentral Web contains a wealth of information designed to help you identify setup problems or highlight any connection or data issues.

Section	Data	What may be indicated
My Account - Locations	Employee and Vehicle Columns empty.	No default Employee or Vehicle schedule.
My Account– Company Cards	Last Accessed date is empty or specific error code displayed.	The Company Card is not currently accepting connections from vehicles.
Devices	Last Accessed	The date shows the last time the device connected to digicentral Web.
Vehicles	Latest VU Access	The last time digiDL connected to the Tachograph
Vehicles	Latest Authentication	The last time the digiDL was able to connect to the assigned Company Card.
Employees	No driving licence number	User was registered automatically via a digiDL. The licence number is not passed by VDO Vehicle Unit.
Employees	Latest Download	The last time this employees Driver Card was obtained by a device.

The Current Alerts section on the Home Page also displays some connectivity issues as they occur (see fig 10.).

Tracking

Basic functions

Click on the “Tracking” tab and you will be presented with the Live Tracking page containing a list of vehicles down the left hand side and a large map. The default vehicle list is organised by Location. Use the  symbol next to the Locations to show the available vehicles for that location. You can also organize this list by vehicle type, so that you can select by cars, vans, trucks etc.

Use the check box next to the vehicles name to show the vehicles current location on the map. You can also use the search box at the bottom of the vehicle list to easily find a particular vehicle. The map is automatically updated every 60 seconds.

Selecting the vehicle registration in the list will present the available options for this vehicle below the vehicle list. You can view the detailed tracking information for that vehicle by selecting  Log.

Detailed Tracking Information

At the top of the detailed tracking information page, you have two date fields to choose the range of data that you would like to view. Choose your beginning and end dates and then click Refresh to update the information.



Fig 11.

Below those two fields you have a timeline, highlight areas of the timeline to limit the view, active areas are displayed in Grey. To select all the data between the chosen dates, click and drag across the whole timeline. Your selection is shown in red. When viewing any of the tabs, you can change your selected dates or the timeline.

Tracking

Graphs: shows your braking, speed and driver activity for the selected period.

Map: plots the GPS data between your selected dates. Alerts will be shown along any route as a  symbol, which you can click to reveal more information.

Summaries: shows the overall summary of all the selected data including average speed, distance travelled and duration as well as maximum speed and maximum braking.

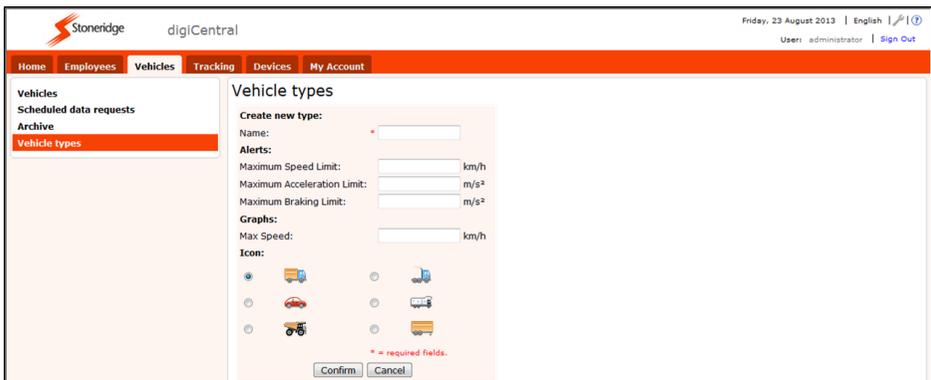
Reports: compiles the raw data and presents it on screen. Any of the report pages can be exported to Microsoft Excel, Word or PDF format. The reports tab has 2 main outputs:

Alerts: allows you to view any alerts that have been generated during your selected period.

Journey Detail: shows you the raw GPS data returned from the vehicle during its journey. This data includes longitude, latitude, heading and speed.

Configuring Vehicle Types (for alerts)

In order to set the levels at which alerts are generated go to the Vehicles tab and select Vehicle Types. You can set the maximum vehicle speed, braking and acceleration. If you are using this feature you should assign the appropriate type to each of your vehicles.



The screenshot shows the 'Vehicle types' configuration page in the digiCentral interface. The page has a navigation bar with 'Home', 'Employees', 'Vehicles', 'Tracking', 'Devices', and 'My Account'. The 'Vehicles' tab is active. On the left, there is a sidebar with 'Vehicles', 'Scheduled data requests', 'Archive', and 'Vehicle types' (highlighted). The main content area is titled 'Vehicle types' and contains a 'Create new type:' section. This section includes a 'Name:' field, an 'Alerts:' section with three input fields for 'Maximum Speed Limit' (km/h), 'Maximum Acceleration Limit' (m/s²), and 'Maximum Braking Limit' (m/s²), and a 'Graphs:' section with a 'Max Speed:' field (km/h). Below these fields is an 'Icon:' section with a grid of icons for different vehicle types. At the bottom, there are 'Confirm' and 'Cancel' buttons. A red asterisk indicates that the Name, Maximum Speed Limit, Maximum Acceleration Limit, Maximum Braking Limit, and Max Speed fields are required.

Fig 12.

Zones and Geo-fencing

There may be circumstances where you wish to be alerted should your vehicle enter a particular geographical area. For example city charge zones.

The first step is to create the area boundary, the Zone. Go to the Tracking tab on the main menu and select Zones. Then select Add a New Zone.

Enter a name and description for your zone and then navigate the map to the desired area. Click 'Create Zone'. This will create a blue triangle overlaid on the map. Click anywhere inside the blue triangle and this will reveal several round nodes that you can drag. Each time you drag a node a new node is created halfway between the two corresponding nodes. The flexibility of this allows the creation of any shape and you should be able to follow roads and boundaries very tightly. To delete an unwanted node hover over the node and press the Delete key.

Once you have created your desired Zone, click Confirm directly under Name and Description.

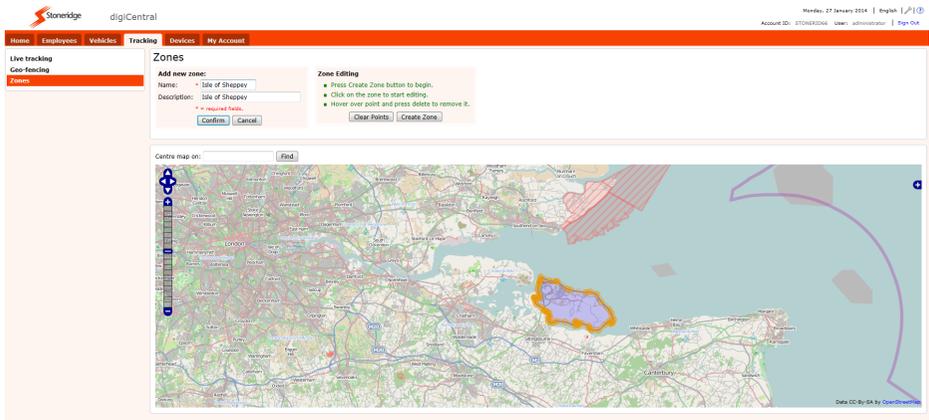


Fig 13.

Zones and Geo-fencing

Geo Fence

The digicentral definition of a Geo-Fence is a collection of one or many Zones, together with a set of rules for inclusion / exclusion from a Zone. This Geo- fence can then be associated to one many or all vehicles.

Select the Tracking tab from the top menu and then Geo-fencing. Click 'Add new Fence', provide a name and description, choose a time zone and click Confirm'.

Now you can add detail to your Geo-Fence definition by clicking 'Add new detail'. Select whether you want to include or exclude from the zone and then choose which zone for which you wish this to apply. Optionally choose the hours and days of the week for which this will apply. Once you have chosen your desired parameters click Confirm.

You can add as many rules as you wish to your Geo-fence, incorporating multiple zones and times if required. Once you have configured your geo- fence, you can apply this to any vehicle under the Vehicle tab. You can only apply one Geo-fence definition to a vehicle hence the flexibility of the configuration.

Stoneridge digiCentral

Tuesday, 28 January 2014 | English | Sign Out

Account ID: STONERID66 User: administrator | Sign Out

Home Employees Vehicles **Tracking** Devices My Account

Live tracking
Geo-fencing
Zones

Geo-fencing

Add detail for 'Test':

Zone Type: * Exclusion

Zone Definition: * Anywhere

Start Time: * 00 : 00

End Time: * 23 : 59

Monday:

Tuesday:

Wednesday:

Thursday:

Friday:

Saturday:

Sunday:

* = required fields.

Confirm Cancel

Fig 14.

digicentral



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