Mosart Web Applications Release Notes

Version 3.5



Mosart Web Applications

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- **Real-Time Scanning:** Keep it enabled, but exclude any performance-sensitive operations involving Vizrt-specific folders, files, and processes. For example:
  - C:\Program Files\[Product Name]
  - C:\ProgramData\[Product Name]
  - Any custom directory where [Product Name] stores data, and any specific process related to [Product Name].
- **Risk Acknowledgment:** Excluding certain folders/processes may improve performance, but also create an attack vector.
- **Scan Scheduling:** Run full system scans during off-peak hours.
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1 Mosart Web Apps 3.5

Release Date: 2026-11-18

We're happy to announce **Web Applications 3.5**. This release is about seeing and running the whole show. **Showmaker** gains a **Timeline view** that shows a rundown's timing at a glance, lets you act on several stories at once, and moves rundowns and templates between shows. **Smart Panel** gains pages and switchable sections, a **Ready check** that tells the operator whether a button will work before it is pressed, device pairing in place of a shared key, and new **Graphics Playlist** and **Media Router Matrix** widgets. **Template Editor** links audio faders to the switcher and adds Generic REST, Graphics, Weather and Control Audio Input commands. The **Configuration Tool** is rebuilt as a web page served by the Web Apps server, with most settings applied as soon as you save.

We value your insights and encourage you to share your feedback, feature requests or comments, to help us continue to innovate.

1.1 Showmaker

1.1.1 Timeline view

The Rundown page has a second view. The **Editor view** shows the stories in detail. The **Timeline view** shows the whole rundown at once, one row per story. Each row draws the story's scheduled items to scale on a shared time ruler and lists the story's manual items in a column beside them. A band behind each story runs to its planned duration. Its end line turns red when the items run longer, and a label shows how far over or under the story is. When the item or the show has a reading-speed preset, the script read over each item shows its reading time.

Preview opens a panel under the timeline that shows one item at a time, so you can step through the rundown in running order. Switch between the two views with the buttons in the rundown information bar. Both views are available for rundowns and rundown templates.

Users with the Showmaker administrator role can also build and fix a story directly in the Timeline view. Drag items from the plugin panel onto a story's row to add them where you drop them, or onto an item to attach them. Drag the edge of an item to change its duration, or drag the item to another place or another story.

1.1.2 Work on several stories at once

You no longer have to handle stories one at a time. In the story list or the editor, Shift+click selects a range of stories, and Ctrl+click (Cmd+click on macOS) adds or removes single stories. Drag any selected story and the others move with it as one block, in their running order. A panel at the foot of the story list shows how many stories are selected and has **Float**, **Copy**, **Duplicate** and **Delete** for all of them. Acting on several stories needs the Showmaker administrator role.

1.1.3 Move or copy a rundown or template to another show

If a rundown was built in the wrong show, or another show needs the same template, you no longer have to rebuild it. **Move or copy to show** sends a rundown or template to another show. It is in the rundown's options menu and the rundown and template lists. Choose **Move** or **Copy**, choose the destination show, and choose whether a rundown is saved there as a **Rundown** or a **Template**. A rundown moved as a rundown, or a template moved as a template, keeps its comments, change history and approvals. An active rundown cannot leave its show, so it can only be copied. Moving and copying need the Showmaker administrator role.

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1.1.4 Smaller changes

- A story or item copied in one Showmaker tab can now be pasted in any other tab open on the same Showmaker address in that browser.
- Double-clicking an item in the story editor now sends it to its plugin for editing once, not twice.

1.2 Smart Panel

1.2.1 Pages and sections

A panel can now hold several pages, for example the cameras on one page and the audio on another. You add and name pages in the page bar above the canvas. On the running panel, the operator turns pages with page buttons, set under **Page navigation** on the Panel tab, or with any button that has the **Navigate to page** action.

A **Section** is an area of a page that holds several variants, each a set of components of its own, and shows one variant at a time. A button switches a section with the **Switch section variant** action. Any button can now also switch sections on top of its own action, with **And switch a section**, so one press takes a source and brings up the controls that go with it.

1.2.2 Ready check

A running panel now says in plain words whether its buttons will work, before anyone presses one. A status strip along the top names the problem and what it affects, such as **Can't reach Mosart**, **Mosart is idle** or **No rundown loaded**. While the show runs, the strip shrinks to a small badge. Before the show, a **Ready sheet** lets whoever is at the panel get Viz Mosart ready from there: make it active, choose and load a rundown, or go on air without a rundown on the panel's Quick Show template. Actions that go on air or affect the whole gallery need a one-second hold.

You set this per panel in the **Ready check** group of the Panel tab. **Visualize** offers **Off**, **Strip only** and **Strip and sheet**. A panel with components that send Viz Mosart commands shows the strip and the sheet, with its actions switched on, until you change it. Every other panel, clocks and monitors among them, shows the strip alone. These defaults also apply to panels made in earlier versions, so for a clock or monitor that is in shot, set **Visualize** to **Off**. Showing that no rundown is loaded, loading a rundown and starting without one need Viz Mosart 5.19 or later, and making Viz Mosart active is not offered with a main and backup server.

1.2.3 Pair a device instead of sharing a key

A panel link no longer needs the Viz Mosart REST API key in its address. Instead, each browser that runs panels is paired once, for one studio: the first time it opens a panel that sends Viz Mosart commands, it asks for a six-digit pairing code. An administrator gets the code in the Configuration Tool under **App Configuration**, **Smart Panel**, with **Show a pairing code**. A code pairs one device and works for ten minutes while that page stays open. Web Apps adds the key itself when it forwards the device's presses, so a panel link can be shared freely, and **Remove** in the list of paired devices cuts off a lost or retired device without changing the key. On a site that uses OIDC sign-in, a signed-in panel needs no pairing, and links that still carry the key keep working.

Plan pairing into the upgrade. After installing 3.5, open the Configuration Tool once so that it brings the web proxy up to date. From then on, a panel link that carries no key, on a browser that is not signed in, keeps its buttons locked until the browser is paired, even where Viz Mosart itself asks for no key, so pair the gallery's devices before

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the first show. A private window, or a browser that clears its site data, asks for a code again. A site that runs its own proxy instead of the bundled one must send the panels' Viz Mosart command routes to the Web Apps server.

1.2.4 Graphics Playlist

The new **Graphics Playlist** widget lists the rundown's overlay graphics story by story, so an operator can run a show's graphics from the panel. **Preview** sends a graphic to the preview engine and **Take in** puts it on air. On a graphic that is on air, the **On air** badge takes it out. Each row shows the graphic's destination and how it leaves air. A graphic with continue points plays in steps from a **Continue** button. The playlist also works from the keyboard. The **Graphics Playlist** preset panel comes with one ready to use. Running graphics from the playlist needs Viz Mosart 5.19 or later.

1.2.5 Media Router Matrix

The new **Media Router Matrix** widget puts the live routing of a Viz Mosart Media Router on the panel, so the gallery can see what goes where without leaving it. Inports are rows and outports are columns, and a dot marks each crosspoint that is routed now. The widget only shows the routing and cannot change a route.

The widget connects from the operator's browser straight to the Media Router's SignalR service, new in Viz Mosart 5.19 and off by default. Turn the service on in `MediaRouterServiceConfig.xml`, make sure every panel device can reach it, and enter its address, on port 55171 unless set otherwise, under **Media Router address** in the widget's options. A panel served over HTTPS needs the router's https address, because the browser blocks an http one.

1.2.6 Asset lists filtered by story

An asset list can now leave out whole stories before it looks at any assets. Under **Stories to include**, a **Story slug filter** and boxes for story type and story status drop a story together with all its assets. Filtering by story type and story status needs Viz Mosart 5.19 or later.

1.2.7 Smaller changes

- While you drag a component in the editor, an outline shows the cells it will land on.
- The editor's properties panel is now laid out in titled groups, such as **Position and size** and **Appearance**. A component also stays selected after you resize it.
- In the editor, dragging with Alt (Option on a Mac) duplicates a component, a **Drop to delete** area appears while a component is moved, and the **Layers** list has **Bring to front** and **Send to back**.
- A panel streamed as an NDI source starts streaming again by itself after the Web Apps server restarts or its machine reboots, and deleting a panel stops its stream.

1.3 Template Editor (early access)

Template Editor 2 now edits a template's audio faders in full and links them to the switcher. It also adds four command types that until now could only be edited in the old grid: Generic REST, Graphics, Weather and Control Audio Input.

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1.3.1 Audio faders that follow the switcher

A fader can now follow the picture. Link a **Switch Main**, **Switch Region** or **Set Source** command to a **Set Fader** command, and on air the fader follows the audio channel that A/V Setup maps to the linked source, in place of the fader's own **Audio input**. The audio then goes with the source the switcher takes, without a second set of faders to keep in step. You can link from either side: the fader's **LINKED COMMANDS** section lists the switcher commands, and a switcher command's **LINK COMMAND** section lists the faders. Most Set Source commands can be linked; when one cannot, its **LINK COMMAND** section says why.

The **Set Fader** properties now show the fader's full settings in four sections. The **L1** and **L2** buttons next to the fader cards choose which level the knobs edit. Level 2 is the level playout uses in level 2 mode, for example under a voice-over.

1.3.2 Generic REST command

A template can now send an HTTP request to a REST server when it is cued, taken or taken out. In **Add command**, under the new **Generic REST** group, choose the server under **Assign to device**. Then set the **Request method**, the **Relative Path**, and any parameters, headers and body the call needs. With Viz Mosart 5.19 or later you pick the server from a list, and **URL Preview** shows the full address the call goes to. The REST servers and their base URLs are set up in Viz Mosart, not in the editor.

1.3.3 Graphics command

A template can now carry its own fullscreen graphic. The new **Graphics** command loads the graphic on a graphics engine when the template is cued and takes it when the template is taken. Turn on **Take out on leave** to take it out again when the template leaves air, and turn on **Continue on DVE forward** to send the graphic a continue when a DVE FORWARD command runs while the template is on air. A template holds one Graphics command.

1.3.4 Weather command

Viz Weather can now be set up in the web editor. The new **Weather** command loads a Viz Weather data item when the template is cued and plays it when the template is taken. Turn on **Wait for trigger start** to hold it for a trigger start instead. A template holds one Weather command.

1.3.5 Control Audio Input command

A template can now change the state of audio inputs when it is taken. It can put inputs in standby so automatic audio leaves them alone, release them again, release every input in standby, or mute and unmute them. Fader actions set up in the desktop Template Editor open as Control Audio Input commands.

To set it up, add **Control Audio Input** from the **Audio Mixer** group of the command library, choose the action under **Set to**, and add the audio inputs under **Manage inputs**.

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1.4 Configuration Tool

1.4.1 Configure the Web Apps live, from the server or a browser

The Configuration Tool is now a web page served by the Mosart Web Apps server, at `/configtool` on the Web Apps address. Most changes apply as soon as you click **Save**, with no restart. Only a few changes still restart the server: turning HTTPS or sign-in on or off, and changing where the Mosart templates are read from or the template database connection. The tool does the restart itself.

You decide who can change settings. The Configuration Tool window on the server, run by a Windows administrator, can always change them, with sign-in on or off. From a browser, changing settings takes HTTPS and sign-in on, and an account with the new `configtool-admin` role: give it to your administrators before you turn sign-in on. Anyone else, and every browser while sign-in is off, gets only **Home** and the help pages. By default the tool answers only on the server itself; to use it from other computers, also turn on **Serve Config Tool on the web** on Server Configuration.

1.4.2 A window on the server that can always fix the settings

On the server, the **Vizrt Mosart Web Applications Configuration Tool** shortcuts open the tool in a window of its own. The window is a program separate from the Web Apps server, so a wrong setting no longer locks you out. Run as a Windows administrator, it can also repair the server. When the Mosart Web Applications service will not start, the window opens the tool in settings-only mode and gives the reason. Once you save the fix, it starts the service again. If even that cannot run, the window shows a page of its own. It offers two one-click fixes, **Turn HTTPS and sign-in off** and **Reset the web server ports**, and each one keeps a copy of the settings file first.

1.4.3 Smaller changes

- Messages about the services and the settings now appear in one status belt across the top of every page. When the server refuses a save, a **Not saved:** row says why.
- Quick setup suggests the machine's own name as the web server address instead of localhost, and no longer accepts localhost or another loopback address, which other computers cannot reach.
- Server Configuration now recognises a wildcard certificate such as **.studio.example.com* for the host names it covers, so such a certificate can be saved.
- Pushing Showmaker's MOS settings to Manus Administrator from App Configuration now goes through the Remote Controller Service on the main Viz Mosart server, so it also works when Viz Mosart runs on another computer, and the settings apply live. Turn on **Enable Manus settings editor** under **Web editors** in the Remote Controller Service settings. With sign-in on the Viz Mosart server, push them from a browser, with sign-in on for the Web Apps too and an account that has both the `configtool-admin` and `mosart-admin` roles.
- The Mosart API key check on Server Configuration answers straight away, even while Media Administrator is not running.

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1.5 NRCS Plugin

1.5.1 Drag and drop only

Some newsrooms want every template placed in a story by drag and drop. They can now make drag and drop the plugin's only way to add one. Turn off **Show Add to Story buttons** and the plugin hides its **Add to Story** buttons, and **Enter** and double-click no longer add a template, so a stray keypress or click in the plugin can't drop an item into a story. Items opened from the story can still be updated or replaced. In iNEWS, its own **OK** and **Apply** buttons still add a template.

The switch is under **UI SETTINGS** on the **NRCS Plugin** tab of the Configuration Tool's App Configuration page. It is on by default, applies to everyone who uses the plugin, and takes effect the next time the plugin is opened. It also applies to the **Mosart templates** panel in Showmaker.

You can now drag a selected template into the story by its name at the top of the editor, a much bigger target than the small drag icon next to it.

1.5.2 Know when templates change

If someone changes the templates in Viz Mosart while a journalist is working, the plugin now shows the message *Templates were changed in Viz Mosart.* Its **Refresh** button loads the changes right away. The message is meant for changes that touch what is on screen, so changes elsewhere don't interrupt. Refreshing keeps work in progress. The message needs the templates to be read from a folder, with **Location** set to **Local** in App Configuration.

1.6 Prompter (early access)

Fast readers are no longer held back by the prompter. The scroll speed now goes up to 6×, twice the old top speed of 3×. The speed moves in quarter steps up to 2× and in half steps from 2× to 6×. A speed of 2.25× or 2.75× saved by the previous version moves to the nearest step, 2.5× or 3×. The state strip now reads **WAITING** while **Follow the rundown** holds the roll at the end of the on-air item's script, so a fast roll that has stopped is clearly waiting for the next take, not frozen.

Reminder: The **Timing Display** web app was removed in Web Apps 3.1. **Smart Panel** provides all of its capabilities and more; see the migration notes for Timing Display in the Web Applications User Guide.

1.7 Installation and Upgrade

Built on .NET 10. Web Apps 3.5 moves from .NET 8 to .NET 10, Microsoft's current long-term support release, supported until November 2028; .NET 8 reached the end of Microsoft's support in November 2026. Every runtime Web Apps ships, including the Chromium engine that renders Smart Panel NDI outputs, now includes the fix for CVE-2026-111497.

- **Installation:** To download this version, please visit the Vizrt FTP site at download.vizrt.com and navigate to */products/VizMosart/Latest Version/WebApplications/*.
- **Prerequisites:** Web Apps 3.5 runs on .NET 10. The bundle installer installs the ASP.NET Core Hosting Bundle 10.0.14 unless the machine already has it or a later 10.0. It also installs the Microsoft Edge WebView2 Runtime for the whole machine when it is missing or installed for one user account only, because the

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Configuration Tool window needs it. The installer first tries Microsoft's download. Without internet access it uses the copy it carries, so there is nothing to fetch beforehand. Where a firewall silently drops the download, it can take up to five minutes before the installer switches to that copy.

- **Installing the MSI packages on their own:** The server package, silent installs included, refuses to install until both prerequisites are in place: the ASP.NET Core Hosting Bundle 10.0.14 or a later 10.0, and the WebView2 Runtime installed for the whole machine. Install both first, or use the bundle installer.
- **Upgrade:** The installer handles the upgrade. It removes older versions of **Vizrt Mosart Web Applications** and the **Vizrt Mosart Web Applications Configuration Tool** before installing the new package. When upgrading from 3.4 or earlier, remember to *close* any running Configuration Tool *before* you start.
  The Configuration Tool is now installed with the server. The **Vizrt Mosart Web Applications Configuration Tool** shortcuts keep their names and places and open it in a window of its own. From this version on, the installer closes an open Configuration Tool window itself.
- **Known issue:** The server installer needs the Windows VBScript feature. Where the VBScript optional feature has been removed or turned off, the Web Apps server package stops with an error. A version already installed stays in place and unchanged, although the bundle installer may already have installed the WebView2 Runtime and the Hosting Bundle. Turn the feature back on and run the installer again.

1.8 System Requirements & Documentation

- The Web Apps server needs 64-bit Windows: Windows 10 or 11, or Windows Server 2019 or later with Desktop Experience. Use the latest Chrome or Edge for all Web Applications.
- Single sign-on (OIDC) authentication requires Viz Mosart 5.14.3 or later.
- **Server-side enforcement** of the `mosart-admin` and `mosart-viewer` roles on the Named Overlays API requires **Viz Mosart 5.16 or later** with Web Apps 3.2 or later.
- **Configuration Tool**: With single sign-on turned on, changing settings requires the `configtool-admin` role, which the Web Apps server enforces. Add it to your role mapping. With sign-in or HTTPS off, only an administrator of the server machine can change settings, in the Configuration Tool window on that machine.
- **NRCS Plugin**: Compatible with all versions of Viz Mosart. The reworked clip search uses the Mosart server's real-time connection on Viz Mosart 5.16 and later. On earlier versions it falls back to the REST search, which needs the Mosart REST API key set in the Configuration Tool.
- **NRCS Plugin with Viz Pilot Edge**: Requires Viz Pilot Edge 3.1 or later.
- **Rundown Viewer**: Viz Mosart 5.1.0 or later. The autotake indicator requires Viz Mosart 5.16 or later, the first version that reports autotake state. On earlier versions the indicator is not shown.
- **Showmaker**: Viz Mosart 5.14.3 or later. Story properties, Show settings, automatic rundown deletion and story approval are managed by users with the Showmaker administrator role. On any Viz Mosart version, story properties sent to the MOS device are mapped in Viz Mosart under Newsroom Settings, Story External Metadata.
- **Smart Panel**: Showing **Time of Day** in the viewer's own time zone requires Viz Mosart 5.17 or later; against an earlier server it keeps showing the Mosart server's wall clock. The **Graphics Playlist** needs Viz Mosart 5.19 or later to preview, take in, take out and continue graphics. Filtering an asset list by story type and story status, and the Ready sheet's rundown actions, also need Viz Mosart 5.19 or later. The **Media Router Matrix** widget needs the Media Router's SignalR service, new in Viz Mosart 5.19. The **Pilot Edge Action Panel** widget needs a Viz Pilot Data Server that the operators' browsers can reach, and a Media Sequencer configured for

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the Web Apps when the widget sets the playout target. On a site without OIDC sign-in, devices are paired as described under Smart Panel above.

- **Named Overlays Editor**: Requires a running Viz Mosart server reachable through the Mosart Remote Control Service. Viz Pilot Edge is optional and needed only for the Pilot Edge panel.
- **Prompter** (early access): Viz Mosart 5.1.0 or later.
- **Template Editor** (early access): All versions of Viz Mosart for editing templates. The **Update server** button asks the running Mosart server to re-read the saved templates without restarting AV Automation, and requires Viz Mosart 5.18 or later. The **Generic REST** command lists the configured devices to pick from with Viz Mosart 5.19 or later. With an earlier server, you type the device ID instead. File-based template storage only.

User guides are available inside each released application. The latest guides and instructions are kept up to date at the Vizrt Documentation Center.

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