CHRISTIE®

Christie
Pandoras Box

PANDORAS BOX
WIDGET DESIGNER
AND AIRSCAN

CHRISTIE
PANDORAS BOX
WIDGET DESIGNER

Interactive Application Builder

Innovative. Versatile. Reliable

Pandoras Box® Widget Designer is an intuitive software control that builds customized show control applications. You can build technical dashboards or entire show solutions — even ones that can be securely accessed by visitors in a public space.

Widget Designer perfectly integrates with Pandoras Box suite of products and can read or set values from the active system, monitor its state, trigger actions, and provide feedback to the user. Even as a stand-alone solution, Widget Designer is the top choice for any kind of show automation or customized interface.

Shanghai Astronomy Museum
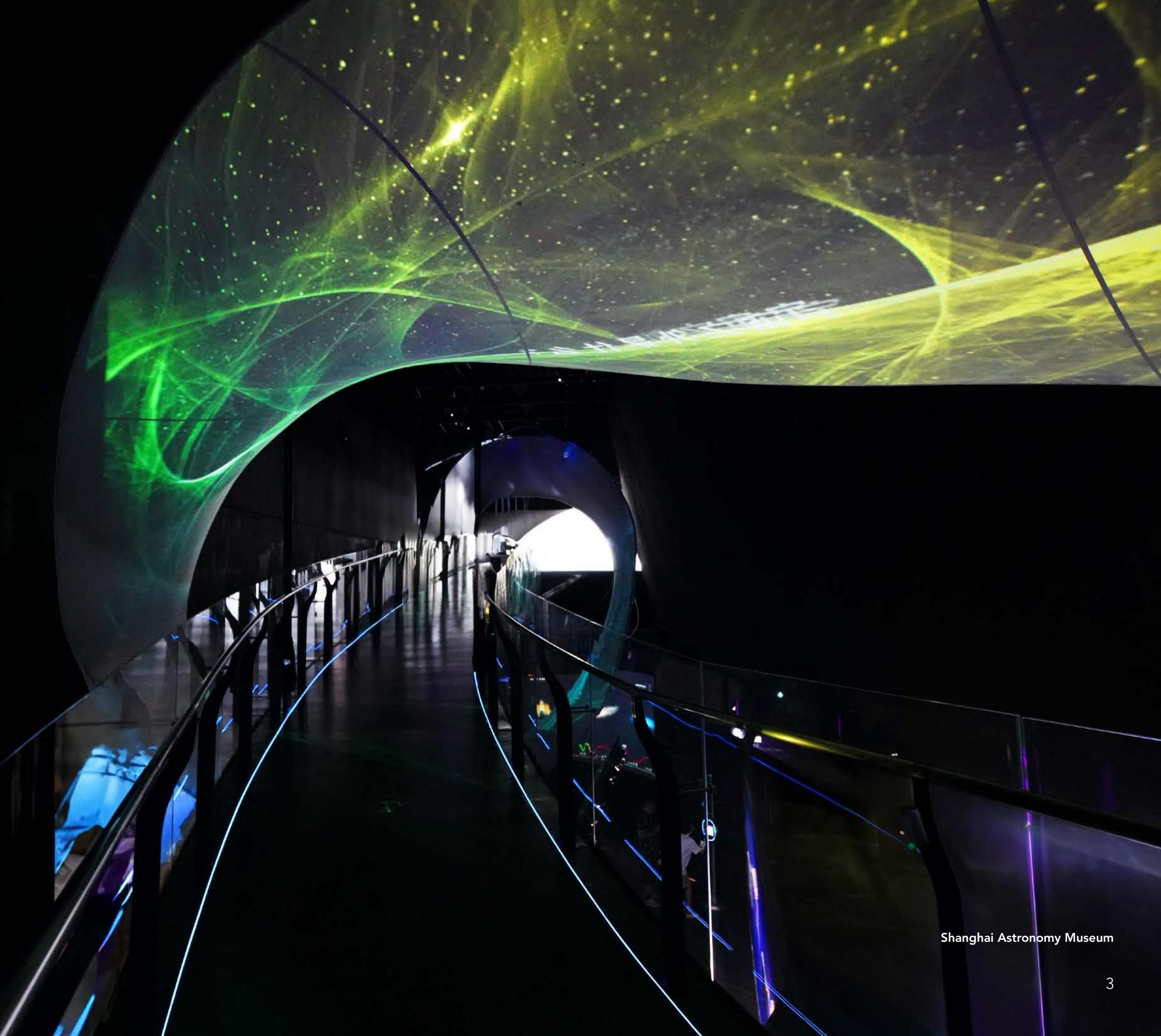
How does Widget Designer work?

› A combination of simple scripting and visual node-based programming is used to create customized control scenarios. It allows the translation of any incoming activity to any outgoing command up to scheduled automation and surveillance.

› With the embedded node programming environment users can route and set up almost any possible control scenario. Easily interact with sensors and data sources to route input data to any other output protocol such as Art-Net, Midi/MSC, TCP/UDP, DMX or RS-232/-422 devices.

› Create elaborate custom interfaces for clients to interact with the system or create individual command sets and cue controls for your specific show control demands.

› Easily create large-scale multi-touch applications for several users who are then able to interact with the content. Scaling, rotating, and moving video content can become an interactive experience.
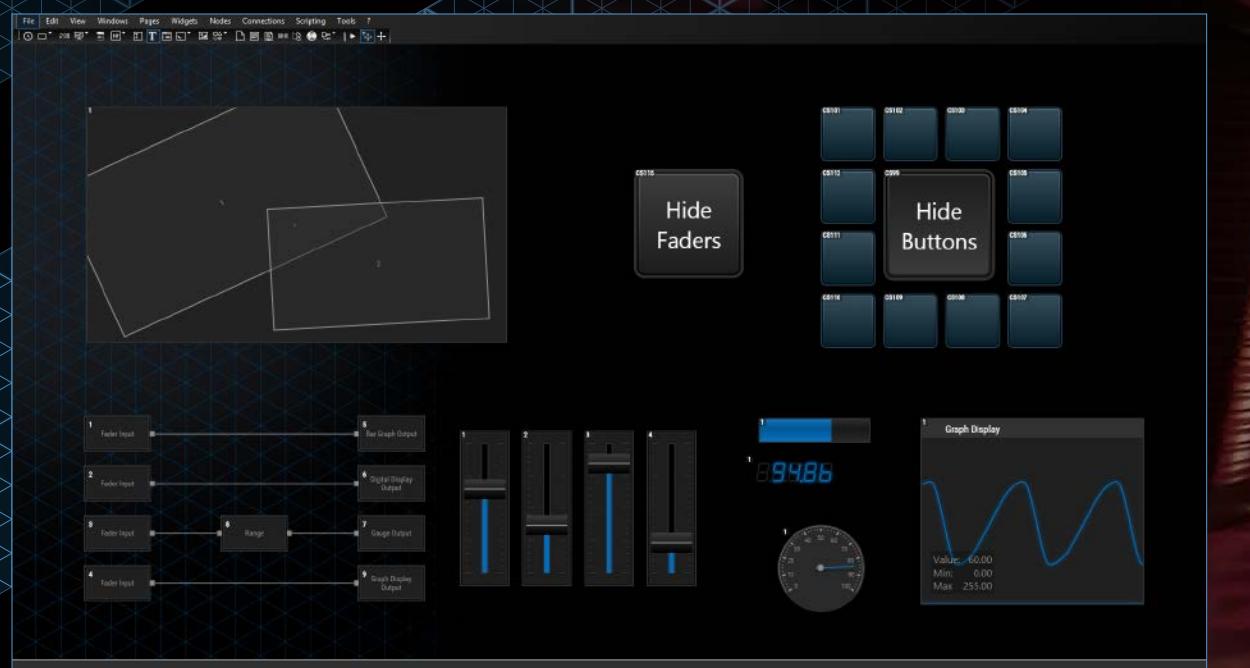
Widget Designer custom interface example

Meraas's City Walk Dubai
Image courtesy of Float4

Key Features

HTML user interface makes it easy to customize widgets

The Widget Designer interface is based on HTML-5 and with CSS3 styles, you can style and manipulate complete pages or single widgets. Since those styles can be imported and applied to the local user interface, web designers can easily style and customize widgets to fit the corporate design or specific needs.

Publish from any device

The integrated web server can publish all created pages to external browsers from any kind of device. With your customized, self-designed interface, you can remotely control production shows from your tablet, smartphone, or computer.

Host multiple sessions of web clients

The web server is perfect for any installation with multiple users with different access levels based on centralized control. Why? The web server can host multiple sessions of web clients, allowing multiple web browsers with individual values to be used independently from one another.

PowerPoint remote allows for greater show control

The PowerPoint remote tool allows you to remotely advance a presentation or call a specific slide. PowerPoint actions can be embedded in Widget Designer interface or logic programming.

Limit user interaction with Viewer Mode

With Viewer Mode, you can limit user interaction to pre-defined functionalities. It's the perfect front-end interphase for public spaces since the project and show file can't be altered by users.

Access NDI and RTSP streaming inputs

Widget Designer is often used to remote control devices that are not in the same room. You can access network streaming inputs including NDI®* and RTSP within Widget to monitor systems and camera feeds.

* NDI is a registered trademark of NewTek Inc.

EXPO Astana
Image courtesty of AV Active

Approach different tasks with different windows

With multiple windows, you can split the technical backend in one window and trigger a remotely driven show in another. That means you can view the user's interaction in one window while continuing to view the technical backend in a different window. Additional screens can run divergent resolutions to match the specific project needs.

Efficient scripting brings down setup times

The versatile but simple and easy-to-learn scripting language opens up another level of possibilities and effectiveness. Widget Designer, Pandoras Box, and a wide range of devices can be scripted along with external protocols and sources. The scripting language guides you with its in-built ScriptAssist, which features proposals and examples. It also allows for complex scripts, including local variables, for example, for-loops. Efficient scripting lets you create unseen automation and bring down setup times.

Pandoras Box Integration

The Widget Designer can be added as a sequence device in the Pandoras Box GUI to animate values or trigger events from a common timeline.

Create combinations that once seemed unimaginable

With Widget Designer, you can use many supported protocols and external devices. Camera tracking and motion detections can trigger network-based protocols or translate and interact with file formats. Widget Designer can also read and edit spreadsheets to update projected content or databases to schedule shows.

The Projector Control feature allows for smooth handling of your projector systems in Widget Designer. It can be added to tasks for easy monitoring, controlling, and automating processes in your projector setup.

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AIRSCAN

Touch-free control with Christie AirScan

Multi-touch infrared laser. Bring projects to life on any surface!

Whether it's an LED wall, projection screen, or even a concrete wall, Christie® AirScan tracks movement and triggers actions to bring your ideas to life. And with the built-in motion stabilizer, those movements are smooth and in real-time.

AirScan is a motion-tracking, multi-touch infrared (IR) laser that allows users to interact and trigger actions, touch-free. It's the perfect way to create interactive multimedia experiences in museums, educational settings, and theme parks. kind of show automation or customized interface.

EXPO Astana
Image courtesty of AV Active

How does AirScan work?

› When AirScan detects objects within its scanning range, it transmits that position 1:1 in real time.

› To set up AirScan, you'll create a custom interface in Widget Designer. AirScan is set up by creating a custom interface in Widget Designer. This allows you to design your custom, interactive display integrations and navigate menu-based multimedia presentations in any environment.

› And with Christie Pandoras Box® remote setup capabilities, you can easily control live presentations from any distance and project them onto any sized screen. No need to use a mouse or pointing device!
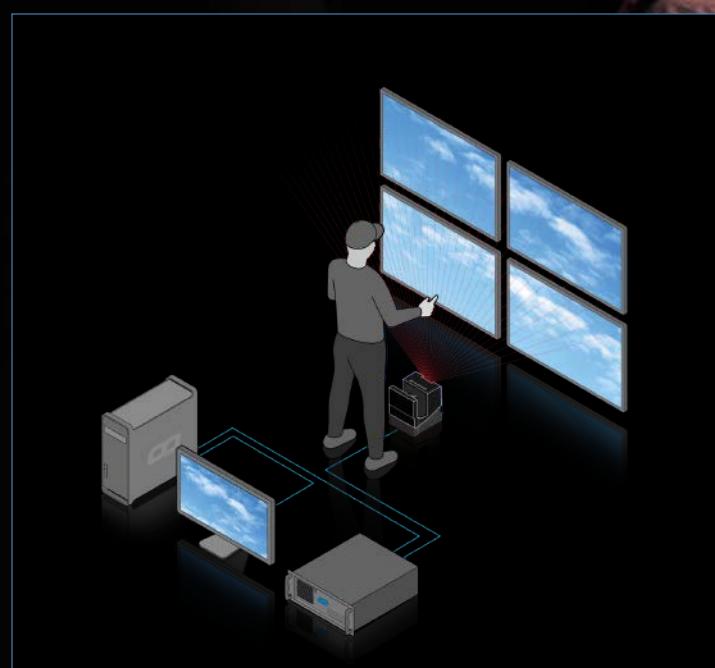
Key Features

Large-scale scanning range

Use AirScan at distances of up to 32.8' (10m) for small object tracking and 196.9' (60m) for large object tracking

Publish from any device

Set up and integrate touch-free solutions and applications in the scanning range. Program up to 24 multi-touch points.

Advanced, built-in motion stabilization

AirScan lets you use advanced input devices on large-scale displays through high-speed processing and damping of the sensor motion data.

Customize interactive displays

Combine Widget Designer and AirScan for object and movement tracking and gesture controls and set up unlimited menu page configurations.

AirScan setup example

MOSTI Museum at Kaust
Image courtesty of Stage Audio Works (Pty) Ltd.
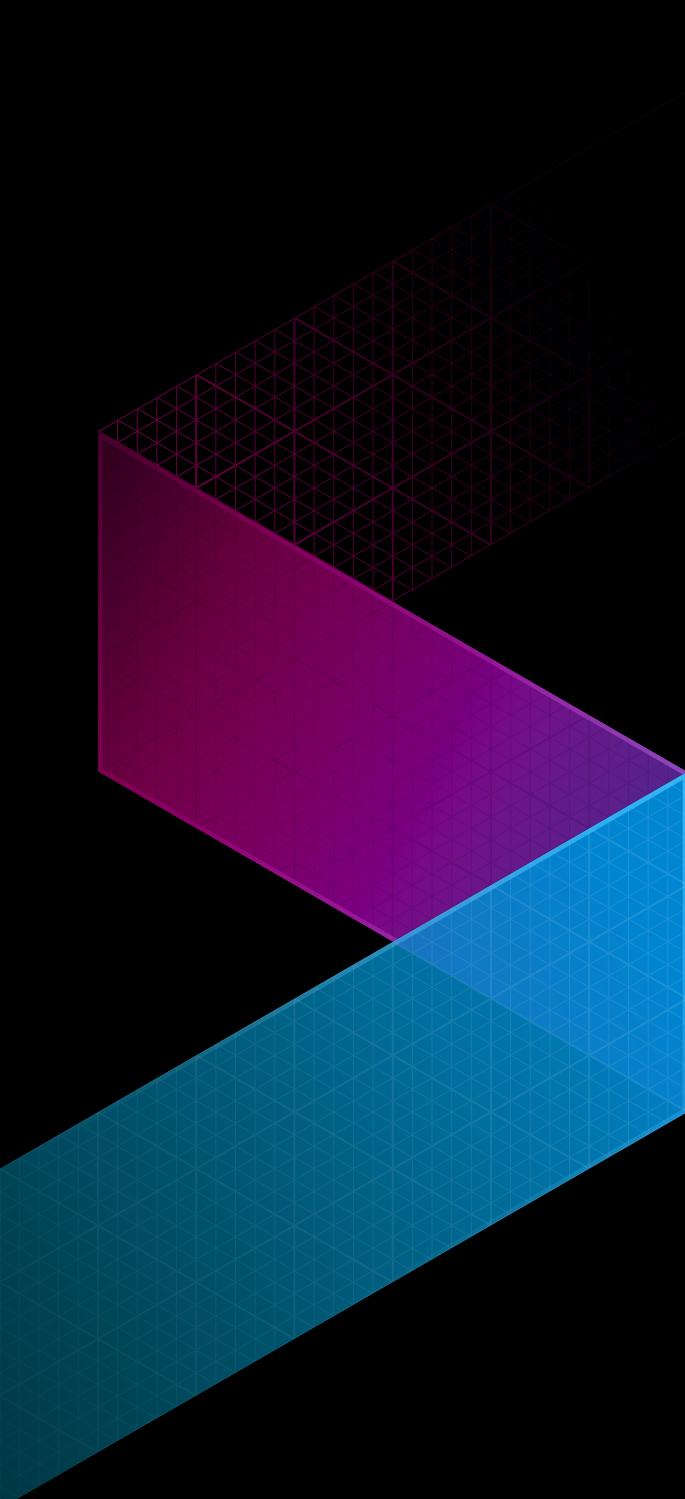
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TAA
compliant

christiedigital.com

For the most current specification information, please visit christiedigital.com

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