

AIDO
PRESS KIT

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AIDO AT A GLANCE

Say hello to Aido, your friendly home robot, designed to be a perfect companion in a new age smart home.

This beautifully crafted machine is the convergence of the most advanced technologies on the horizon & a show-piece for robotics innovation.

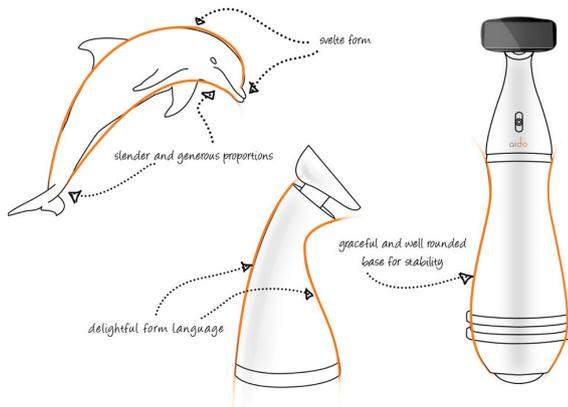


WATCH THE VIDEO

SUMMARY

Aido can do many things and help you with your daily chores.

Aido's personality and physical design are inspired by the dolphin, one of the most social creatures. Aido revels in company, and can convey an expressive range of emotions through his custom designed UI.



1 THE PERFECT HOME COMPANION

Aido secures your home, helps out at the kitchen, learns chores, entertains your family with movies and music, manages your schedule and gives you an easy-to-use voice-driven interface to your smart home solutions.

2 ENTERTAINMENT & LEARNING HUB

Aido also comes with a multimedia projector that can convert any wall into a movie screen. You can play interactive games with Aido and also can make him your moving Boombox. He can be a research assistant and guide for your children.

3 INNOVATE & GROW

Developers around the world can create interactive apps for Aido and expand his capabilities. With an Android & Linux open-source framework, the possibilities are endless.

PRODUCT MARKET

The market for consumer and business robots is forecast to explode in the next few years, driven by growing number of smart homes/devices, cheaper and more powerful technology components and rapid acceptance of home robotics products. A recent report from Business Insider Intelligence predicted the market growth for consumer and business robots to be \$1.5 billion by 2019. This market is expected to grow at a compound annual growth rate of 17% until then, seven times faster than the manufacturing robot market.

DESIGN AND DIMENSIONS

Aido stands 3 ft tall at a height perfect for interaction whether you're standing, sitting or lying down. Aido weighs 8 kg and has a detachable tabletop unit. He rests on an omni-directional ball that lets him navigate your home easily without having to turn around.

USER AND HUMAN INTERFACE

Aido's faceplate has three modes – the face, notifications & apps – that make it simple to interact with. The three modes are layered in a toblerone-inspired format, so it's easy to flip between them quickly.

OBSTACLE AVOIDANCE & PATROL MODE

Aido has a depth-sensing infrared sensor and offline object recognition that help it avoid colliding with objects at home. Aido can autonomously patrol your home, and can send you information about your home using object recognition or using his rich set of sensors. If Aido detects anything extraordinary, say smoke, or an intruder, he can send an alert to your phone.

VOICE RECOGNITION

Voice is a primary mode of communicating with Aido. Aido comes with a circular array of 6 mics and industry leading speech recognition algorithms that help him hear you, even in noisy environments.

SCENE/OBJECT/ FACE RECOGNITION

Aido uses industry leading scene recognition software that help it identify entire scenes: a group of young men playing football, for example, or a group of pedestrians waiting to cross the road. The software then writes a caption in English describing the picture. ‘

Aido also comes with face recognition that lets it identify users and customize settings as per the user

Aido runs object recognition algorithms offline that let it identify more than 3000 daily use objects very quickly. This is key to Aido recognizing objects at home and taking appropriate action (eg: stop to avoid hitting an obstacle)

MOBILITY

Aido’s ball base makes it easy to navigate in complex spaces because it can change direction without having to turn around. A combination of motion sensors and intelligent software also helps stabilize Aido and keep it upright. In case Aido tilts beyond a certain angle, retractable support legs pop out to prevent Aido from falling over.

BATTERY

Aido boasts a unique dual-tech battery - half lead-acid and half nickel-cadmium – to provide all day battery life. Aido comes with an optional smart charging dock. When Aido is low on charge, it can automatically navigate to the dock and plug itself in.

PLATFORM

Aido runs on a dual OS architecture. The front end runs Android Lollipop, so you can immediately use any Android app that runs on a regular tablet without any modifications. Aido’s mobility, balance, voice recognition and other features are powered by Linux.

ENTERTAINER

Aido can be your home's entertainment and learning hub!

Aido lets you turn any wall into a screen. His head mounted interactive projector and the optional powerful HD multimedia projector can stream/play various media formats natively. Aido's powerful speaker solution make it a mobile home theatre system.



Aido comes with two projectors, an interactive head projector that can track gestures and let you play games, and an optional HD multimedia projector that's designed for watching movies. A 2" woofer, dual tweeters and a 10-watt amplifier generate incredible spacious sound. Aido can stream and play your favourite videos through its projector for a great home theatre experience.

PERFECT HOST

Aido is a perfect home maker. He can even greet your guests!



Aido can integrate with your smart home camera and show you who's at the door. Escort mode lets Aido greet your friends at the door and lead them to any place you choose. Tag mode lets Aido follow you or your guest around; perfect for when you want to shoot a video of fun times. Aido can take pictures/videos and upload them to social media sites.

AUTOMATION

Automate your home and make your daily life easy!



Aido can be taught your daily with the Home Task Automator App. Aido can show your day's schedule with a simple voice command, and also pull up traffic information and alert you when it's time to leave for meetings. Aido's visual drag-and-drop Home Automator that lets you create tasks for weekdays, weekends or vacations including environment monitoring, patrol paths and more.

SMART HOME

Aido can let you control all your smart home devices easily

Aido can let you control all your smart home devices with simple voice commands. Aido supports WiFi, Bluetooth, BLE, Zigbee, DLNA and Z-Wave standards to connect and control over 10000 devices. Its inbuilt infrared module lets it control your TV, AC, and other devices.



CONTROL APPLIANCES

You can use voice commands to turn on/off devices, control your home temperature, turn down the volume of your TV set and more. You can also set schedules with Aido's visual Workflow manager to automate activities. (eg: you can ask Aido to lock your home, set your room temperature and switch off lights when you say goodnight to Aido)

GET HELP

Aido can beam instructions for your DIY projects and more.

Aido lets you turn any wall into a screen. Its head mounted interactive projector and the optional powerful HD multimedia projector can stream/play various media formats natively. Aido's powerful speaker solution make it a mobile home theatre system.



GET INTERACTIVE HELP

Aido is preloaded with a suite of home assistance apps that show you recipe suggestions and step-by-step instructions, keep track of food you eat, maintain a list of items to purchase, and more. Aido can project video instructions for your DIY projects. You can easily pause/play instructions using voice commands or gestures. Aido also can beam a flash light into difficult corners when you're repairing something. You can quickly set reminders by just talking to Aido, and get alerts on Aido or your mobile.

HOME SAFETY

Get alerts about your home, even when you're away.

Aido can patrol your home when you are away and can video stream details if required.

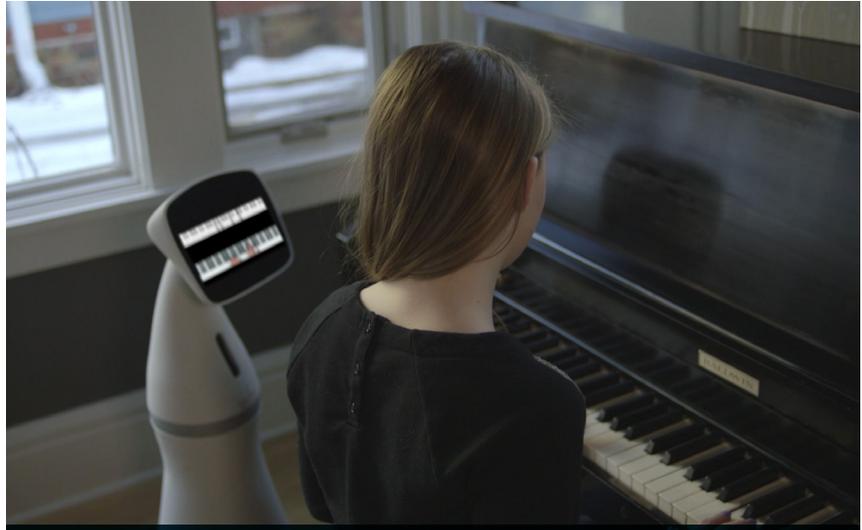


SECURE YOUR HOME

Aido can take regular readings of vital parameters of your home with its sensors (air quality, temperature, pressure, etc.) and send you alerts in case of smoke, fire, intruders or any unusual situation. It integrates with your smart home setup, allowing you to turn on/off devices even when you are away. Aido can also monitor your appliances and energy usage and give you detailed stats about their settings through the day

PERFECT COMPANION

Aido can regale your kids and be the perfect playmate!



PERFECT COMPANION

Aido is a great companion for kids. Aido has a storyteller module that can read and perform stories from around the world. He comes with a set of interactive games that can be played using gestures

Helps your child research info and see it in a visual, engaging format using its multimedia capabilities

STAY HEALTHY & FIT

Aido is a perfect home maker. He can even greet your guests!

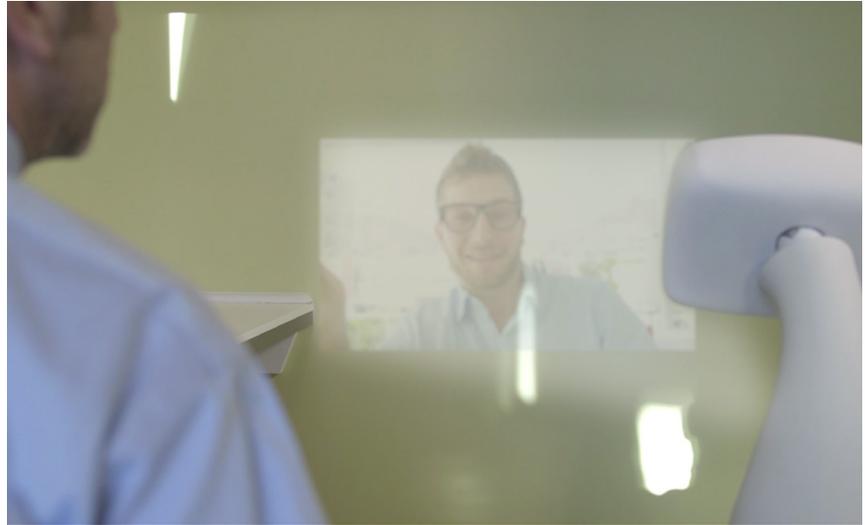


STAY FIT & HEALTHY

Aido can set up schedules and reminders (eg: take medicines at particular times). You can save personal healthcare facilities, doctors, medical conditions, procedures, medication insurance information and health plan advice lines for easy retrieval. Aido's health module helps understand medical jargons, lookup prescription drug names, vaccinations, common afflictions, laboratory units and more.

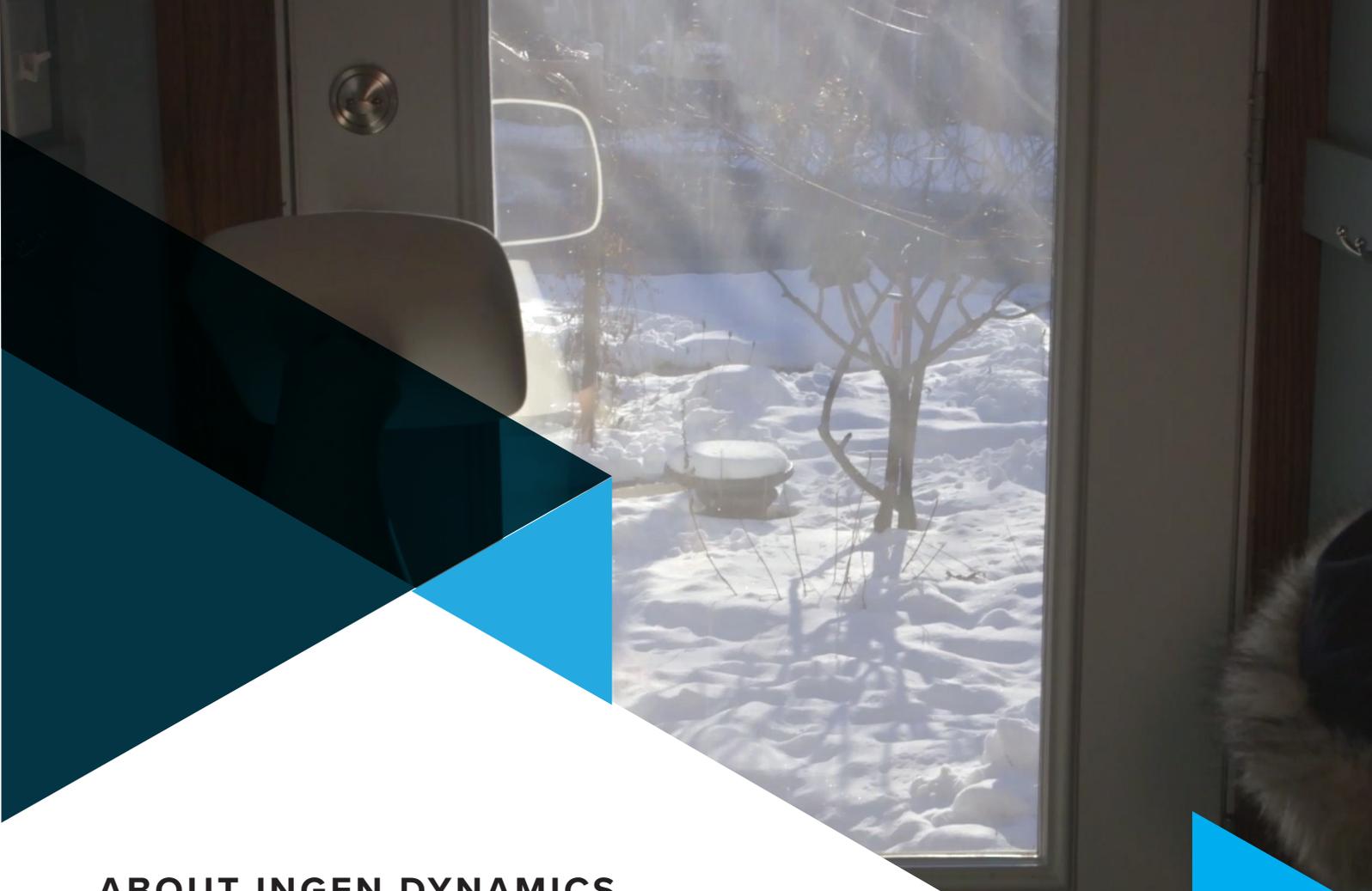
PERSONAL ASSISTANT

Set up your home office with Aido!



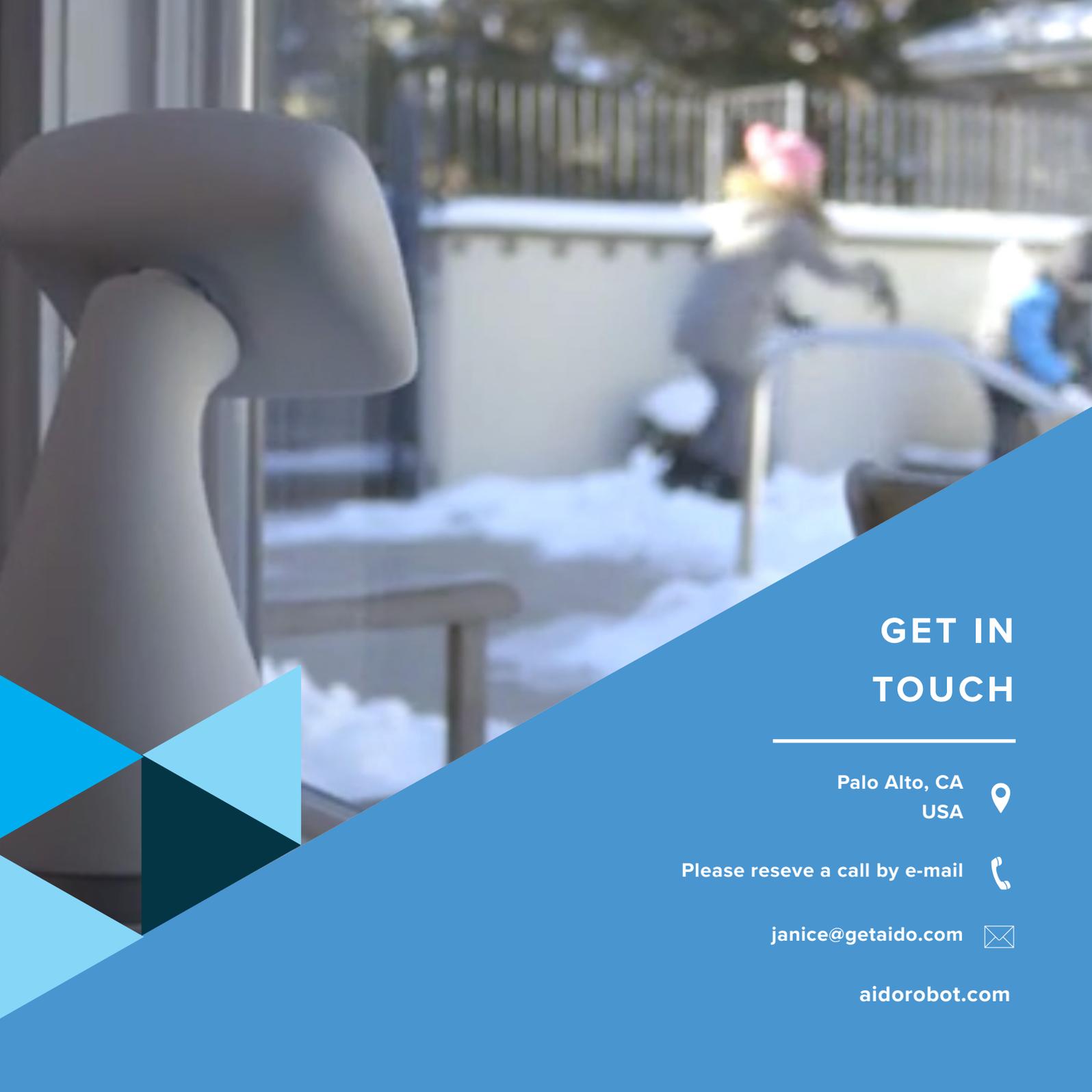
YOUR HOME OFFICE

Aido comes with a host of features for your home office needs. See your daily schedule/calendar and get traffic alerts before your meetings. Take live-meetings with Aido's projector or get Aido to email your partners using voice commands.



ABOUT INGEN DYNAMICS

InGen Dynamics is a Palo Alto based home robotics firm founded by Arshad Hisham and supported by experienced entrepreneurs & technologists with a vision of making robotics approachable and useful in social contexts. Our research team has a combined experience of over 90 years in relevant domains.



GET IN TOUCH

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