



# YOUR GUIDE TO MIURA SOLUTIONS

BEAUTIFULLY SIMPLE PAYMENTS





STAND-OUT DESIGN.  
OUTSTANDING SOLUTIONS.

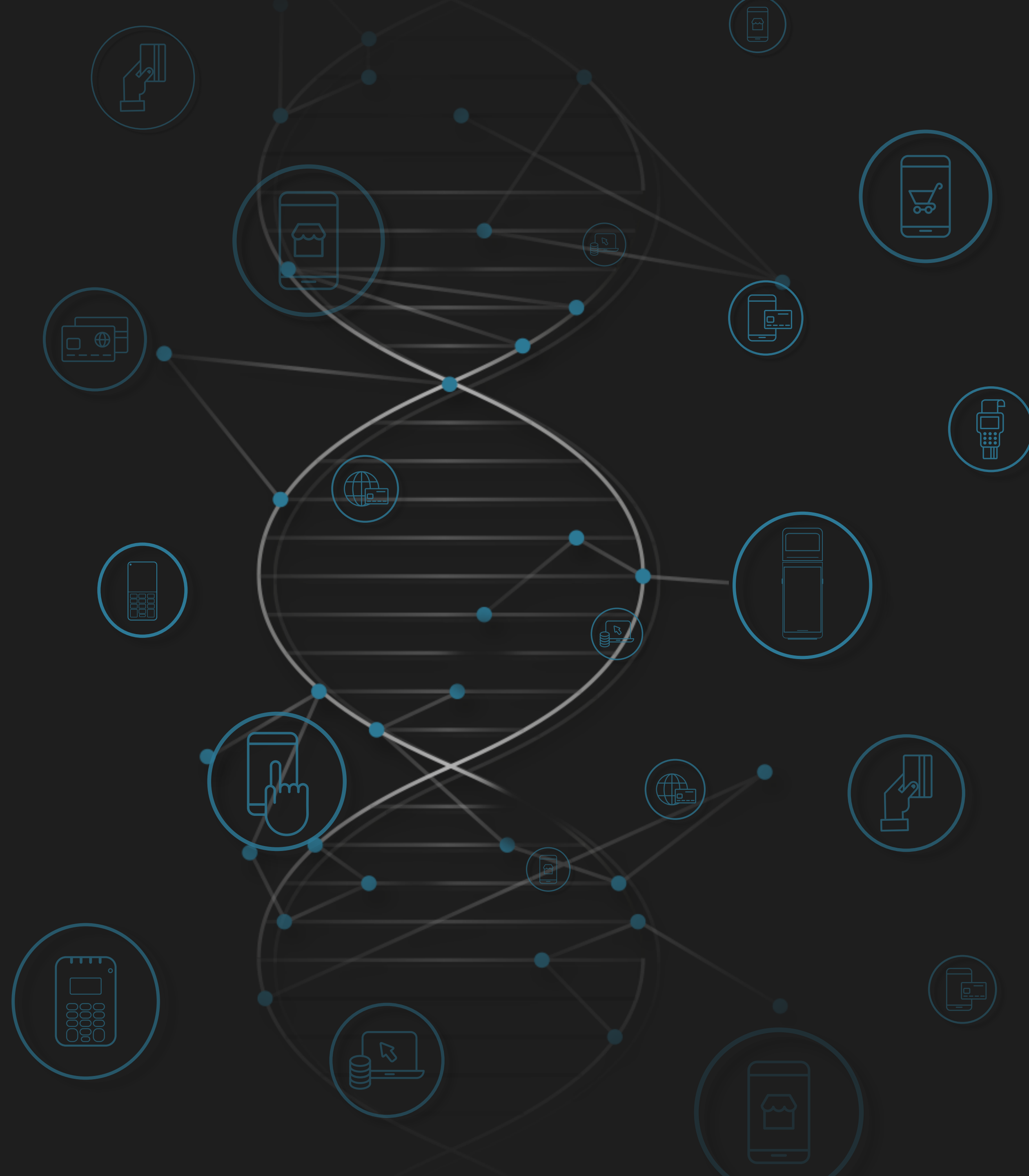


# MARKET-LEADING PAYMENTS SOLUTIONS MAKE UP OUR DNA

Our market-leading hardware challenges the traditional status quo, and we spend our time designing out complexities so there are no worries for you when it comes to delivering a seamless payments.

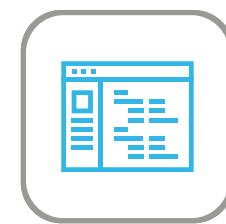
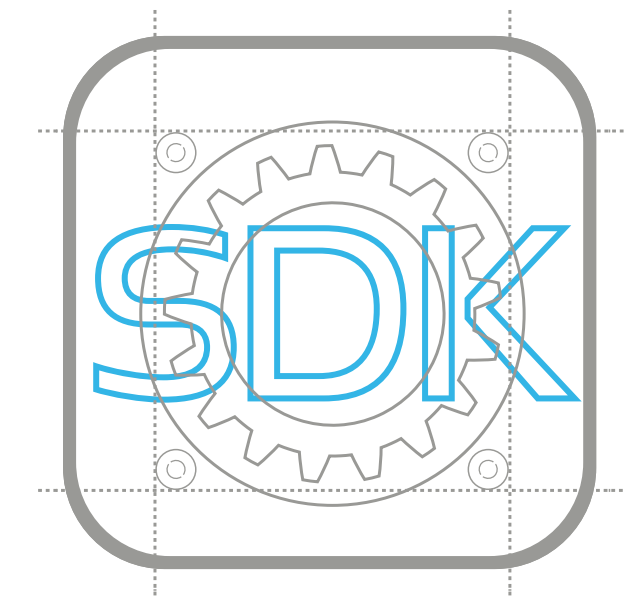
We partner, never compete. For us, it goes beyond the production line. That's why we partner with the world's leading payment service providers and independent software vendors, but never compete in the payments or POS applications that differentiate their business.

We design and manufacture many of the world's most trusted and widely deployed Chip and PIN devices, as well as incredibly flexible and stylish POS and payment solutions. We enable our partners to thrive in the fast evolving payments landscape.



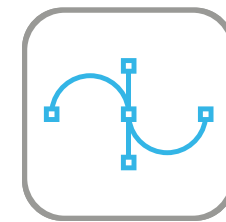
# TAILORED SOLUTIONS. PERFECTLY **INTEGRATED.**

It's critical to deliver easy and simple integration to existing, third-party peripherals and software. Developers need the ability to adapt POS and payment systems to deliver a tailored solution that suits their customers. That's why we've developed an open architecture via our API and Software development kit (SDK). And when you integrate with Miura once, you'll never need to do it again.



## **Developer friendly**

We simplify the complexity of payments and deliver an SDK that can be easily adapted by our partners regardless of their level of payment skill set.



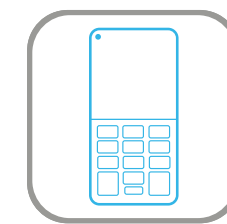
## **Open source**

Every retail requirement is different, so we allow our partners the flexibility to use source libraries and amend or update software to meet their needs. There's no compromise with Miura.



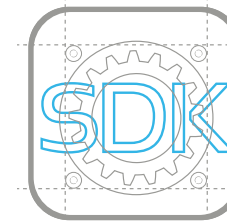
## **Security**

PCI PTS 5.x & 6.x, Common SECC and Enterprise level security certifications with PCI P2PE Approved Application and Key Components.



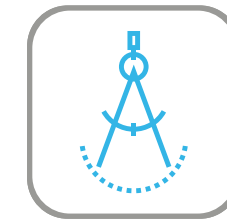
## **Key management**

Our SDK removes the considerable complexity around key management and in particular supporting remote key management services. This has substantial total cost of ownership benefits since terminals can be fulfilled dynamically in the field.



## **Payment and retail SDK**

Our SDK also provides access to both payment and retail features. These features cover the full range of Miura products including the M020, and M010.



## **Open architecture**

Easy integration and a true cross-platform solution for Android, iOS or Windows environments. The perfect solution for omni-channel and ISV's as well as traditional POS solution providers.



## **Certified payment kernels**

As a leader in secure payments our SDK's incorporate all the core brand network certification such as Visa, MasterCard, American Express and Discover as well as support for all of the major mobile wallet and NFC services.



## **Extensive payment API**

Beginning in 2008, we have created a unique and extensive set of payment APIs that cover a wide and varied range of payment and retail implementation scenarios. Using these APIs, you can simplify even the most complex of payment integrations.



# TAILORED SOLUTIONS. PERFECTLY **INTEGRATED.**



## **Certified Remote Key Injection**

Since the introduction of Secure Read Exchange Data (SRED), devices must ensure the integrity of all payment card data captured and guarantee it is encrypted to the highest cryptographic standards. This requirement enforces a need for devices to be injected with special keys which enable them to encrypt not only card data but also any associated online PINs.

Miura provides secure Remote Key Injection (RKI) which is industry certified by all the major schemes and securely supports both SRED and online PIN. This is a cost-effective alternative to a complex and cumbersome Key Injection Facility (KIF). By injecting PIN pads remotely, and at the time of activation, shipment and administration logistics costs are significantly reduced and PIN pads no longer need to be moved to and from a Key Injection Facility.

This means you're no longer constrained by having costly returns and device reworks should your end merchant happen to switch end processors or acquirers. Since you only pay to load keys that will actually be used, there is no longer a need to undertake unnecessary costly injections and any risks of loading wrong keys are reduced as they can be easily updated dynamically in the field. This approach really does deliver a cloud-based RKI that anyone can take advantage of.

## **P2PE**

Mobile POS is no longer for micro merchants alone: it's an important evolution of payments in all retail verticals. So, to ensure retailer and merchant card data is never exposed during the payment transaction, a Point to Point Encryption (P2PE) solution is essential.

Miura leads the way with delivering PCI P2PE certified solutions. Whether you are a large tiered retailer or small merchant, you no longer need to compromise on security. And by implementing our P2PE certified hardware you ensure the scope, complexity and compliance costs of PCI DSS are significantly reduced both at a commercial and technical complexity level.

We have also certified our best in class API for P2PE on the PCI Website. And our industry-leading Remote Key Injection and Key Management solution for P2PE has full Certification (CA). This means partners and payment solution providers can take advantage of Miura certifications to build and develop P2PE certified solutions for retailers of all sizes and transaction volumes – with the highest security, functionality and performance.

# MASP

## Open new horizons with Android

The open source world of Android is now the 'go to' operating system for delivering your wider mobile Point of Sale (POS) strategy. And Miura continues to empower our partners to deliver leading POS and Payment solutions with our next generation Miura Android Smart POS (MASP).

The MASP's hardened Android platform combines Miura's security and reliability with its powerful payments interface (MPI) and industry leading, developer-friendly SDKs and APIs. These provide the ideal balance between an open, flexible framework and a secure payment architecture which makes the journey to fully integrated POS seamless.

Our partners get the best of both worlds: a familiar Android development environment with access to existing Android-based application or porting of existing solutions *plus* the reassurance of additional hardened security from Miura. This ensures you continue to meet the demanding needs of the payments industry, now and in the future.



### Features:

**OS:** Miura Android 11 Secure OS

**Processor:** 2Ghz Quad Core, Dedicated Crypto / Security Processor

**Internal Memory:** 2GB RAM (LPDDR) + 16GB eMMC (Flash)

**External Memory:** x1 Micro SD Card Up to 64GB

**Card Readers:** Magnetic Card Reader - 3 Track Bi-Directional, Smart Card Reader NFC/Contactless L1 - EMVCo 3.1a certified ISO 14443 Type A/B, FeliCa

**Display:** 5.5 Inch Colour, Multi-Touch , Resolution 1280 \* 720

**Printer:** 57mm x 40 mm - 70 mm/sec

**SIM/SAM:** x1 Micro SIM Slot, x1 e-SIM, x2 PSAM Slots

**Connectivity:** 4G, 3G, GPRS, Bluetooth 5.0 + BLE, Wi-Fi - 2.5Ghz, 5 Ghz, 802.11 a/b/g/n/ac

**Battery:** 2620 mAh, 7.2V

**Connector/Ports:** USB C OTG, Rear Charging/Comms - 5 Pogo Pin

**Adapter:** 5V 2A

**Camera:** Rear Facing 5 MP Auto Focus, QR Code and Bar Code reading

**Size (mm):** (h) 209 x (w) 78 x (d) 45

**Weight (g):** 431g (Including Paper Roll)

**Certifications:** ROHS/WEEE, CE, FCC/IC, Telec, PSE, UKCA



Discover more at  
[miurasystems.com/MASP](https://miurasystems.com/MASP)



# FLEXIBLE PAYMENT SOLUTIONS. ANY MERCHANT ENVIRONMENT.

## M020

### One solution. Infinite opportunities

The M020 is a leading-edge solution that empowers retailers to roll out payments across any POS system with one single device. By giving you a single device, one API and many configurations and peripherals, enhanced payment services are accessible anywhere.

As one device, the M020 fits all POS environments and rarely needs to be redeveloped. So developers benefit from standardizing integration and certification. Retailers also benefit by having a seamless staff experience and reduced operating costs, with only one lot of training and support services.

The M020 can be introduced in all departments from fixed, in-store to table-side and home delivery – bringing down costs and guaranteeing a swift return on investment. And with standardized API and architecture, the M020 simplifies and speeds up integration with existing and new systems. It's the robust, enterprise retail payment device you'd expect from Miura.



### PERIPHERALS

#### Retail Stand

Robust and secure counter top retail solution, with a latching mechanism for mobile integration and optional USB interface, power and PIN Shield.

#### Printer

Fully functional payment solution for physical receipts, with an integrated lithium-ion battery and a fast and reliable thermal printer.

#### Multi-Charger

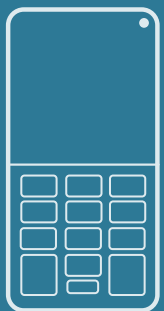
Perfect for demanding retail environments. Simply 'drop and charge' for fast charging and use as a safe house unit when idle. And with the innovative racking system, you can add multiple devices.

#### Protective cases

Improve the payment experience for retailers and consumers with our simple yet effective all-in-one protective cases.

#### M-Link Connector

With our unique M-Link technology create 3<sup>rd</sup> party peripherals or companion solutions built around the flexibility of the M020.



### Features:

#### Hardware Specification

- Processor: Secure 32 Bit – ARM 9
- Memory: 256 Mbytes SLC NAD Flash, 64Mbytes mobile DDR
- Power input: Charge via USB (Standard Micro B Connector) – USB communication also available from this port (USB 2.0 High Speed OTG).
- M-Link Contacts: Low Profile USB/Power contacts on the rear of the device providing both Fast Charge and USB Communication. Stylishly integrated into design these contacts allow for innovative use of peripherals such as cradles or allow easy integration into other smart devices i.e. Tablets.
- Touch Screen: Capacitive touch with signature capture capability and stylus built into product.
- Smartcard: EMV L1, ISO 7816 T=0 & T=1
- Mag swipe: Bi-Directional and Triple Track (1, 2 & 3) Secure Mag Stripe Reader
- Contactless: ISO 14443 A/B, FeliCa - Supports major mobile wallets and Scheme brands as well as FeliCa for Japanese market.
- Miura Revive™: An integrated platform feature allowing the recovery of a device when an OS or application related issue has rendered it inoperable.
- Beeper: Various tones under software control. Volume suitable for retail environment.
- Battery: Integrated Li-ion 1150mAh battery – Options for additional battery packs via M-Link connection
- Size (mm): 126x63x13



Discover more at  
[miurasystems.com/M020](https://miurasystems.com/M020)

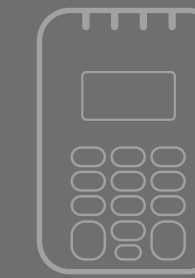
# M010

## Mobile, counter-top and in-store

Merchants are now under pressure to take payments anywhere the customer goes. That means they need a PED device that easily integrates with legacy tablet POS solutions, while offering an attractive TCO.

Miura's M010 leads the PED market and evolves the merchant experience by delivering a seamless consumer experience with true versatility. Integrating with tablets and smartphones, the M010 offers security, reliability, low TCO and supports payments for EMV, contactless, SamsungPay and ApplePay. Its Miura Revive™ feature means you can restore settings on-site without an engineer, and it also includes the convenience of Remote Key Injection (RKI).

With the Pay API/SDK, Miura partners can integrate the M010 with existing POS solutions and white label the devices to deliver solutions for every merchant.



## Features:

- 32-Bit ARM processor
- 256MB Flash Memory with 64MB RAM
- 128 x 64 OLED display
- EMV L1 & EMV L2 (Contact) Certified
- Secure triple track magnetic stripe reader
- Seamlessly switch between BT and USB comms
- Physical Keymat
- Contactless Certified for all Major Schemes (Visa/MasterCard/ExpressPay/Discover)
- Apple Pay, Google Pay and Samsung Pay supported
- PCI 5.x certification
- P2PE certification ready
- 800 mAh battery



Discover more at  
[miurasystems.com/M010](https://miurasystems.com/M010)



Help merchants deliver a consistent, positive and seamless user experience with [Miura solutions](#), and join us today to become part of our unique ecosystem of partners.

### Talk to us:

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