PHILIPS

Digital radiography and
fluoroscopy solutions

Put digital X-ray to work for you

See beyond a complex, disconnected radiology workflow to one that supports clear, efficient, patient-centered solutions

All meaningful innovation today is connected. It starts with seeing beyond the image to the people behind – to the patient and those who care for them.

In clinical practice today, increasing workloads coupled with greater system complexities pose a significant challenge to the delivery of high-quality care. It is time to look at radiology differently, to see beyond to a new perspective, where innovation focuses on relieving the pressures you face so you can do your job with ease, confidence and proficiency while putting patients first.

Philips radiography and fluoroscopy solutions span the patient care pathway from end-to-end. Designed to streamline workflows and enhance the human experience, these solutions can reduce variability, increase efficiency, and alleviate administrative burden. At the same time, pioneering virtualization technologies connect care teams across specialties and locations with the information they need to personalize care for every patient. This extends care and clinical collaboration beyond the limits of traditional care models.

Philips DR and DRF systems are designed to help you to conduct the exams you require with speed, using smart workflows pre-, at point of-, and post- image acquisition. They help you to manage constantly increasing workloads, to complete examinations quickly, and give you the confidence to know examination results are precise and the quality repeatable.

When technology works as a seamless extension of your skillset, first-time-right results become the standard. Philips continuously innovates towards smart and intuitive workflows, which enables you to focus on the patient. Connecting data, technology, and people helps turn defining moments in the radiology workflow into a clear care pathway, with predictable outcomes which enables more predictable outcomes for patients. These smart workflow innovations increase your throughput, reduce repeat exams, and enhance your return on investment.

Key advantages of Philips DR and DRF systems

- Fast, intuitive workflow
- Improved diagnostic confidence
- High flexibility
- Seamless integration
- Common interface

Work confidently and efficiently

Whether your need is for digital radiography, mobile radiography, remote fluoroscopy, or nearby fluoroscopy, each system offered by Philips is built from the ground up as part of an interconnected family. From a common user interface, to shared use of wireless detectors, the components and applications that make one efficient, make all efficient.

All DR and DRF systems share the Philips legacy of proven reliability[1], ease-of-use[2], and exceptional customer service[3]. Every system is designed to help improve your investment. We help ensure you get the most from your system through remote/onsite services and scheduled upgrades that can support you in practical, cost-effective and/or sustainable ways.

Radiography

Ceiling-suspended

Radiography 7000 C -
DigitalDiagnost C90

DigitalDiagnost Rel 4
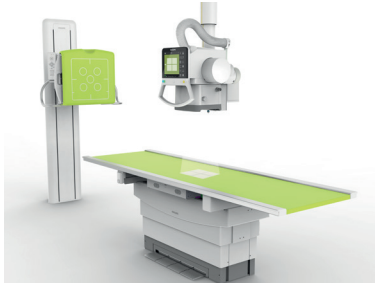
Radiography 5000 C -
DigitalDiagnost C50

Floor-based

Radiography 5000 F -
DuraDiagnost Rel 4

Radiography 3000 F -
DuraDiagnost F30

Mobile

Radiography 5700 M -
MobileDiagnost wDR

Fluoroscopy
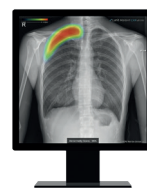
Remote-controlled

Fluoroscopy 7000 R -
CombiDiagnost R90

Nearby-controlled

Fluoroscopy 7000 N -
ProxiDiagnost N90
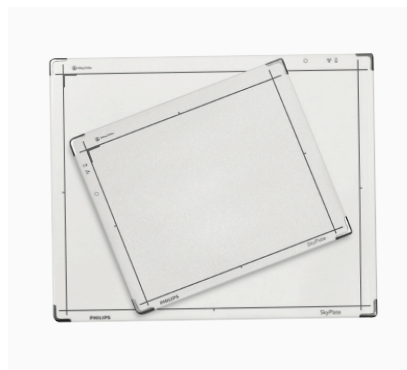
AI - Solutions

INSIGHT CXR

The benefits of
a harmonized approach

Our commitment is to minimize rising complexity through innovation and intuitive design in addition to shared interactive experiences. With a continuity of components and applications across our systems, your staff will find it easy to move from one environment to the other, helping to reduce required training efforts. Familiarity means operation is consistent, training is simplified, exams can be more quick and your return on investment may be enhanced. The following are core offerings on nearly all our DR and DRF systems.

Eleva User Interface
Eleva is a common user interface present across all Philips DR and DRF systems. It is an advanced work environment from Philips, designed to increase the value of high-quality X-ray imaging by enhancing exams through automated presets. Only three clicks are required to complete the entire exam in Eleva.

SkyPlate detectors
Classic SkyPlate wireless detectors (large and small) are lightweight and designed for fast high-resolution imaging at the systems. SkyPlate E⁴ is more rugged, perfect for high volume environments. Each delivers superb image quality and excellent dose efficiency with our systems. SkyPlate detectors can be shared across compatible Philips DR and DRF systems.

UNIQUE 2 image processing
UNIQUE 2 uses the latest generation image processing software to provide exceptional images of all anatomical areas. It improves clinical image quality by providing selective enhancement of tiny details, increased contrast, and reduced background clutter. Images are precise and quality repeatable.

Focused on your success

Philips DR and DRF imaging systems have been designed to enhance engagement and experience by providing user-friendly tools that relieve stress for staff and patients, alongside options that support communication, which helps to improve patient experience.

Our imaging systems streamline the radiology workflow through interoperable, vendor-neutral solutions and a strong portfolio of smart connected imaging systems that enable efficiency without quality compromises, which helps to improve staff experience.

We have focused on strengthening advanced clinical and diagnostic confidence through fully integrated solutions that provide patient-centric insights. Additionally, AI and advanced visualization tools support early, and definitive diagnosis and treatment, which helps achieve better health outcomes.

Our imaging systems have been designed to build a resilient diagnostic infrastructure through an integrated suite of services, upgrades and educational support offerings that extend the system lifetime value and capabilities and address sustainability challenges, which helps achieve a lower cost of care.

Improved patient experience

Improved staff experience

Better health outcomes

Lower cost of care

Philips has the depth of perspective necessary to break the boundaries standing in the way of organizing healthcare around the patient. We collaborate on designing innovations to seamlessly bring together people, data, and technology to help you achieve your business goals and help assure your long-term success.

4

Leveraging the power of AI

Artificial intelligence (AI) is a key enabler that will help improve diagnostic capabilities and hence the patient care experience. It may lead to better outcomes, thereby lowering the cost of care. Today we have the technology in our hands to compensate for a constantly increasing workload and to help you to focus on patients rather than having technology consume your attention.

AI is embedded into innovative workflows that drive quality and support you during pre-, point of-, and post- image acquisition. Our AI-driven solutions are seamlessly integrated without the need to be selected once in a while for dedicated cases. And they are backward compatible to parts of our large base of installed imaging systems.

INSIGHT CXR[5]

Enjoy augmented detection and advanced workflow with INSIGHT CXR. INSIGHT CXR is an AI-based clinical decision support solution designed to improve diagnostic performance, reduce overlooked abnormalities[6] and streamline workflows. Valuable feedback is instantly sent to your PACS, which can assist in making a fast, more accurate, first-time-right diagnosis.[7]

This solution brings clinically proven accuracy to your chest X-ray images by detecting up to 10 common abnormal radiological findings with 97-99% accuracy and support lung tuberculosis screening on Chest X-ray images.[8]

> "Referring to AI analysis results for preliminary diagnosis, we can perform the treatment process faster and more efficiently."
>
> **Dr. Trongtum, Soriraj Hospital, Thailand**

SkyFlow Plus

SkyFlow Plus produces images with grid-like contrast for all anatomies. With this AI-powered scatter correction, there's no need to attach and detach a grid, so detector positioning is fast and easy. It helps you work more efficiently by rapidly acquiring high-quality images, while effectively managing X-ray dose.[9]

Philips Bone Suppression

Philips Bone Suppression[10] removes rib structures on digital chest images, increasing clarity of soft tissue. Bone Suppression supports decision-making without additional X-ray dose or effort. As it is fully integrated into the Eleva workflow, an algorithm automatically generates an additional bone-suppressed image and sends it to PACS. Philips Bone Suppression has been shown to improve actionable lung nodule detection by up to 16.8%.[11]
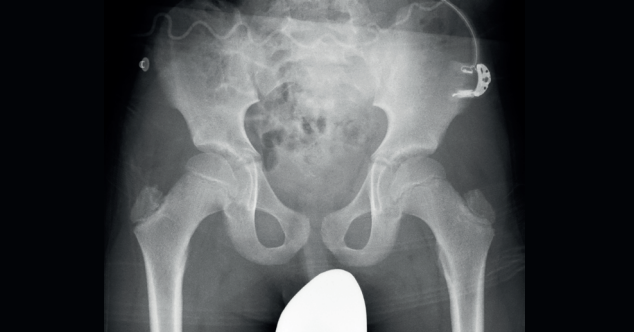
A system for every purpose

Philips DR and DRF systems are known for their advanced workflow enhancements, ease-of-use, and cost-effective configurations. They drive throughput and confident diagnoses while enabling high staff and patient satisfaction.

Our DR and DRF systems

Philips Radiography 7000 C — DigitalDiagnost C90
Our premier DR system to meet your most demanding imaging needs. It allows you to see more patients per day and shorten patient wait times by decreasing time to diagnosis.

• See 15 more patients/day[12]
• Save 8 hrs. overtime/week[12]
• Avoid approx. 28 retakes/week[12]

Philips DigitalDiagnost Rel 4[13]
Our X-ray workhorse for confident decision-making that meets your growing patient demands while offering a possibility to lower the cost of care[14] Benefit from the latest IT standards and Window 10 OS.

Two room configurations – High Performance and Value

Philips Radiography 5000 C — DigitalDiagnost C50
Our performance oriented ceiling mounted system that extends your imaging capabilities in an affordable way. Cover your general application needs in a cost-effective manner.

Gridless workflow with SkyFlow Plus[15] helps save time so that you can spend more time with your patients
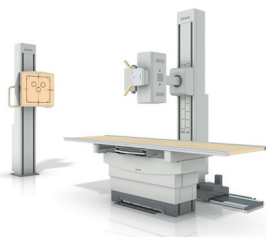
Philips Radiography 5000 F — DuraDiagnost Rel 4
Our floor mounted radiography system designed for reliable, consistent performance and low cost of ownership. Enjoy fast, smooth exams, and our continued quality.

Intuitive Eleva user interface images are typically fully available just after acquisition[16]

Philips Radiography 3000 F — DuraDiagnost F30[17]
This floor mounted system provides ease of entry into the world of digital radiography with a good price to performance ratio.

Our wireless and fixed detectors provide high image quality with excellent dose efficiency for general clinical application flexibility to perform table, vertical stand, and free exams

Philips Radiography 5700 M — MobileDiagnost wDR
This system gives you premier DR functionality wherever you need it. Take the equipment to the patient – because fast diagnoses can make all the difference.

SkyPlate detector with SkyFlow Plus offers image viewing <12 sec[18]

Philips Fluoroscopy 7000 R — CombiDiagnost R90
This remote-controlled fluoroscopy system combined with high-end digital radiography is designed to improve room utilization in a cost-effective manner.

- *Save up to 30% initial equipment cost by combing radiography and fluoroscopy[19]*
- *Avoid approx. 17 retakes/week[20]*
- *For pediatric examinations, Philips Grid-Controlled Fluoroscopy (GCF) enables a dose rate[21] reduction up to 68%[22] compared to Pulse Controlled Fluoroscopy (PCF), depending on patient type and clinical application*

Philips Fluoroscopy 7000 N — ProxiDiagnost N90
This versatile nearby-controlled DRF system is a very compact 2-in-1 powerhouse, with premium Philips imaging innovation, designed to enhance your clinical confidence.

For pediatric examinations, Philips Grid-Controlled Fluoroscopy (GCF) enables a dose rate[21] reduction up to 68%[22] compared to Pulse Controlled Fluoroscopy (PCF), depending on patient type and clinical application

System capability comparison

DR ceiling mounted systems

Attribute	Philips Radiography 7000 C — DigitalDiagnost C90	Philips DigitalDiagnost Rel 4[13]	Philips Radiography 5000 C — DigitalDiagnost C50
Eleva workstation	●	●	●
Table with fixed detector	○	○	NA
Table with wireless detector (SkyPlate and SkyPlate E)	○	○	○ SkyPlate E only
Height adjustable table	○	●	○
Single side suspended table	○	NA	NA
Fixed height table	NA	NA	○
Generator 50 kw	NA	NA	●
Generator 65 kw	●	●	○
Generator 80 kw	○	○	NA
UNIQUE 2	●	●	○
Image stitching software	○ (Automatic)	○ (Automatic)	○ (Manual)
SkyFlow Plus	○	○	○
Eleva Tube Head	●	NA	NA
Live camera package	○	NA	NA
Comfort Position	○	○	NA
Comfort Move	○	○	NA
Comfort Track	●	●	○
Vertical stand (VS)	○	●	○
Vertical moveable stand (VM)	○	NA	NA
Vertical stand with fixed detector	○	○	○
Vertical stand with wireless detector (SkyPlate and SkyPlate E)	○	○	○
Bone Suppression	○	○	NA
Clinical QC	○	○	○
VarioFocus	○	○	○
Dose Reporting in DICOM Structured Report format	○	○	○
mShield	○	○	○
Ambient Experience	○	○	○

● = standard   ○ = optional   NA = not available

DRF systems

Attribute	Philips Fluoroscopy 7000 R — CombiDiagnost R90	Philips Fluoroscopy 7000 N — ProxiDiagnost N90
Control	Remote controlled	Nearby controlled
Eleva Workstation	●	●
Table with wireless detector (SkyPlate)	NA	○
Table with dynamic detector	●	●
Height adjustable table	●	NA
Generator 65 kw	●	●
Generator 80 kw	○	○
Pulse controlled fluoroscopy (PCF)	●	●
Grid controlled fluoroscopy (GCF)	○	○
Intelligent exposure IQX	●	●
UNIQUE 2	●	●
Dynamic UNIQUE	●	●
Digital subtraction angiography (DSA)	○	○
SkyFlow Plus	○	○
Image stitching software	○	○
Dose Reporting in DICOM Structured Report format	○	○
mShield	○	○
Eleva Tube Head	○	○
Live camera package	○	○
Comfort Move	○	○
Comfort Track	○	○
Vertical stand (VS)	○	○
Vertical stand with fixed detector	○	○
Vertical stand with wireless detector (SkyPlate)	○	○
Bone Suppression	○	○
Clinical QC	○	○
Ambient experience	○	○

DR floor mounted systems

Attribute	Philips Radiography 3000 F — DuraDiagnost F30[17]	Philips Radiography 5000 F — DuraDiagnost Rel 4
Eleva workstation	●	●
Height adjustable table	NA	○
Fixed height table	○	NA
Table with fixed detector	NA	○
Table with wireless detector (SkyPlate and SkyPlate E)	○ (SkyPlate E)	○
Generator 50 kw	●	●
Generator 65 kw	NA	○
Vertical stand (VS)	○	○
Vertical stand with fixed detector	NA	○
Vertical stand with wireless detector (SkyPlate and SkyPlate E)	○ (SkyPlate E)	○
UNIQUE 2	○	○
SkyFlow Plus	NA	○
VarioFocus	NA	○
Clinical QC	○	○
mShield	NA	○

Find the perfect fit with bundled DR and DRF solutions

To take advantage of the advanced imaging solutions that best fit your institution's needs, we have prepared preconfigured products into 'bundles'. These bundles contain the imaging system of your choice along with select components and applications. Value, Plus, Pro, and Premium bundles have been created to best fit your application, workflow, and budgetary requirements. Please reach out to your Philips sales representative for more information.

Increasing benefits and workflow efficiency

Value[23]
Step-in performance bundle with key elements of a solid system for focused work

Plus
Standard performance bundle giving more flexibility in daily work and choice of options

Pro
Intermediate performance bundle focused on high workflow efficiency, image quality, and price to performance ratio.

Premium
Ultimate performance bundle offering maximum workflow flexibility and versatility of exams.
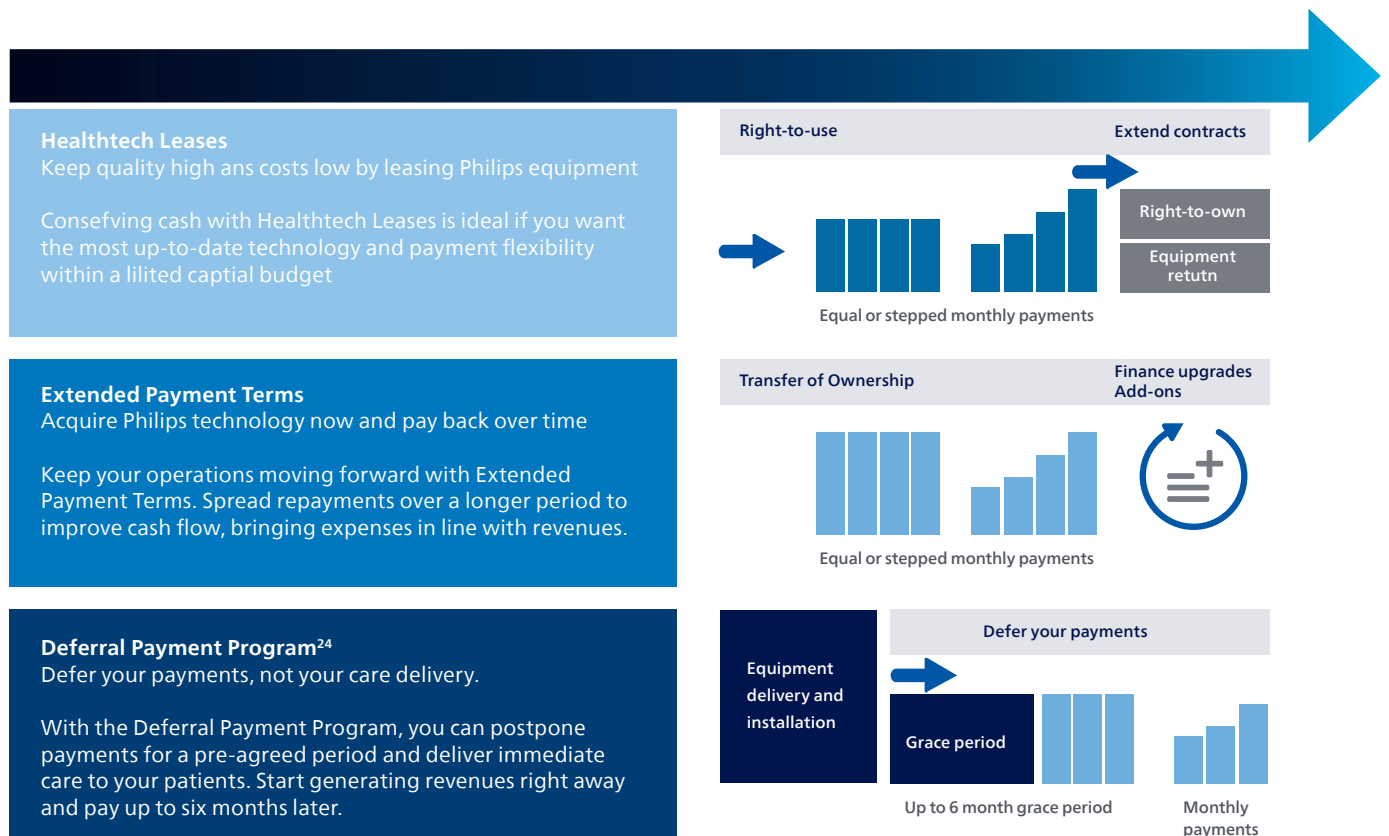
Philips supports you at every turn

Philips financing, maintenance, and security solutions provide support beyond your imaging technology. We are your partner across all aspects of the business.

Financing Programs

Our financing solutions are tailored to fit your unique requirements. We want to help you unlock your digital radiology transformation along the entire lifecycle with innovative financing solutions and a variety of payment plans.

Healthtech Leases
Keep quality high ans costs low by leasing Philips equipment

Consefving cash with Healthtech Leases is ideal if you want the most up-to-date technology and payment flexibility within a lilited captial budget

Right-to-use — Extend contracts

Right-to-own

Equipment retutn

Equal or stepped monthly payments

Extended Payment Terms
Acquire Philips technology now and pay back over time

Keep your operations moving forward with Extended Payment Terms. Spread repayments over a longer period to improve cash flow, bringing expenses in line with revenues.

Transfer of Ownership — Finance upgrades Add-ons

Equal or stepped monthly payments

Deferral Payment Program[24]
Defer your payments, not your care delivery.

With the Deferral Payment Program, you can postpone payments for a pre-agreed period and deliver immediate care to your patients. Start generating revenues right away and pay up to six months later.

Defer your payments

Equipment delivery and installation

Grace period

Up to 6 month grace period — Monthly payments

Our equipment maintenance service solutions are also extremely flexible, designed around you to provide preventative maintenance and lifecycle services that are the right fit for your business. In addition, we are committed to assisting you in securing your digital X-ray systems against cybercrime with Cybersafe, a program we've developed to ensure your Philips systems remain safe, secure, and fully operational.

When you invest in a Philips DR or DRF system, you are investing in a path to future technological advancements and capabilities. As your partner, Philips can provide the expertise to keep your system operating at peak performance and your staff educated in the latest best-practice techniques.

> **"Philips has been our partner for over 40 years. Our collaboration is based on trust and we work strategically together."**
>
> **Robert Krack, Head of Radiology Centre Hospitalier du Nord, Ettelbrück, Luxembourg**

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1 Over 30% of cases are resolved before downtime is caused. Our first time right fix rate is 87%. This is based on a comparison of 2021 data from non-remotely connected and remotely connected DXR systems, limited to the specific markets with >20% remote connectivity and availability of RSE (>20% cases touched by RSE) are met.

2 Waikito Hospital (Hamilton, New Zealand), upon upgrading to the Philips Fluoroscopy 7000 R — CombiDiagnost R90, experienced enhanced workflow and easier patient positioning.

3 According to IMV ServiceTrak™ Imaging Report 2021 - Overall Service Performance 8.7/10

4 Available in select markets

5 Available as per regulatory guidelines on select systems, in select markets

6 Atelectasis, Calcification, Cardiomegaly, Consolidation, Fibrosis, Mediastinal Widening, Nodule, Pleural Effusion, Pneumoperitoneum, Pneumothorax, and supports Lung Tuberculosis Screening

7 Please note that results can vary per case

8 Ju Gang Nam, Minchul Kim, et al. Development and validation of a deep learning algorithm detecting 10 common abnormalities on chest radiographs. European Respiratory Journal. 2020

9 Hospital San Pau (Barcelona) conducted a visual grading study. ANOVA tests show that even with a dose reduction of up to 40%, SkyFlow images receive significantly higher grading scores than images without SkyFlow acquired at normal dose.

10 ClearRead Bone Suppression by Riverain Technologies

11 Freedman M et al. Improved detection of lung nodules with novel software that suppresses the rib and clavicle shadows on chest radiographs. Radiology. 2011

12 Compared to the previous release of DigitalDiagnost and based on 100 patients per day. Actual results in other cases may vary

13 Available in North America only

14 Philips DigitalDiagnost Rel 4 is positioned lower than Philips Radiography 7000 C — C90, which helps reduces CapEx

15 SkyFlow Plus is intended for free exposures with SkyPlates only. SkyFlow Plus is an optional feature

16 Accuracy through simplicity. Intuitive Eleva concept for efficiency in radiography

17 Philips Radiography 3000 F — DuraDiagnost F30 is not available in North America

18 Philips internal verification record

19 World reference prices for CombiDiagnost R90 High Performance Room compared to a dedicated fluoroscopy and a dedicated radiography room

20 Compared to the previous release based on 60 patients per day. Actual results in other cases may vary

21 Dose rate determined according to IEC 60601-2-54, 203.5.2.4.5.102, System set up: detector format 43x43 cm (17x17"), patient type children, 0.1 mm Cu + 1 mm Al filter, reduced dose and pulsed slow fluoroscopy mode with 2 pulses/s, Phantom: 5 cm (2 in) PMMA

22 Relative difference of two reference air kerma rates between system with Grid-Controlled Fluoroscopy (GCF) and system with PCF

23 The Philips Fluoroscopy 7000 N — ProxiDiagnost N90 bundle is called 'Essential', not 'Value'

24 Deferral Payment Program: Moratorium of up to 6 months possible, subject to credit approval on a case by case basis; offer valid for a limited time and subject to change without notice. EasyFinancing Programs are subject to customization, equipment availability, contract and financier approval. Please contact Philips Capital to learn more.

PHILIPS

How to reach us
Please visit www.philips.com
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