

O₂ Gateway

Step-by-step overview to digital transformation

Click on the
buttons and tiles
to navigate

[Get Started](#)

Version 2.0

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Telefónica UK Limited Registered in England no. 1743099.
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Starting the journey



1 This guide is designed to help you see how O₂ Gateway can help to digitally transform your organisation.

2 Tailor your journey by entering your organisations' name and number of sites. We won't see or save this information until you send it over to us or book a Discovery Session with one of our sales specialists.

Company name:

Number of sites:

Click each step to carry on the journey

Step 1:
Company details

Step 2:
What is O₂ Gateway

Step 3:
Challenges

Step 4:
Solutions

Step 5:
Summary

Next steps

What is O₂ Gateway?

1 We recognise the need for convergence of connectivity and IT services.

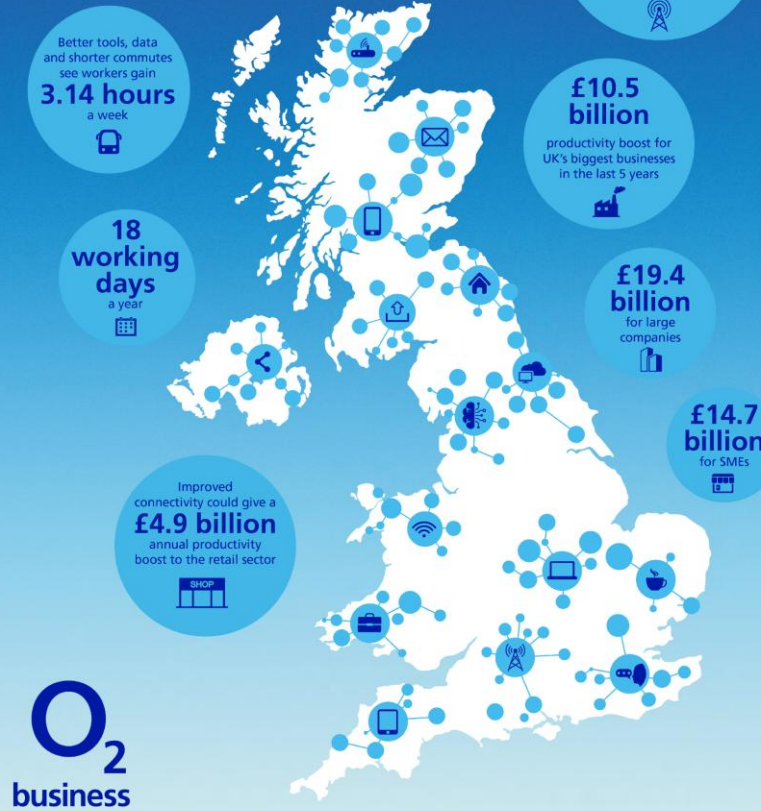
We've invested in a market-leading platform, O₂ Gateway, that combines Mobile, WAN and wifi networks with seamless access into cloud and Unified Communications services all managed end-to-end by a single supplier.

That means a faster route to smarter working and digital transformation. Learn how one great connection can change your world and get the whole network working together. Everywhere.

2

O₂ Business has revealed the productivity gains British businesses could reap from better connectivity, such as video conferencing and real-time collaboration apps.

Read our report here: *Business without boundaries: The role of connectivity in business growth*



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Your challenges



1 Our customers are choosing O₂ Gateway to resolve their issues.
Tick the boxes below to highlight your top challenges.

- 2**
- Multiple connectivity suppliers are difficult to control and manage
 - Our current comms estate stops us from gaining competitive advantage
 - Our operations are legacy and engrained in the 'way we do things' causing inefficiency
 - Our IT infrastructure is becoming increasingly expensive
 - We cannot/find it difficult to access our corporate network outside of the office
 - Employees are demanding more flexibility and mobility
 - Collaboration and productivity is halted by our connectivity
 - Our providers don't understand our digital strategy and aims
 - Our business is moving to cloud and SaaS-based applications
 - Security is an add-on rather built-in

Choose all that apply

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Solutions



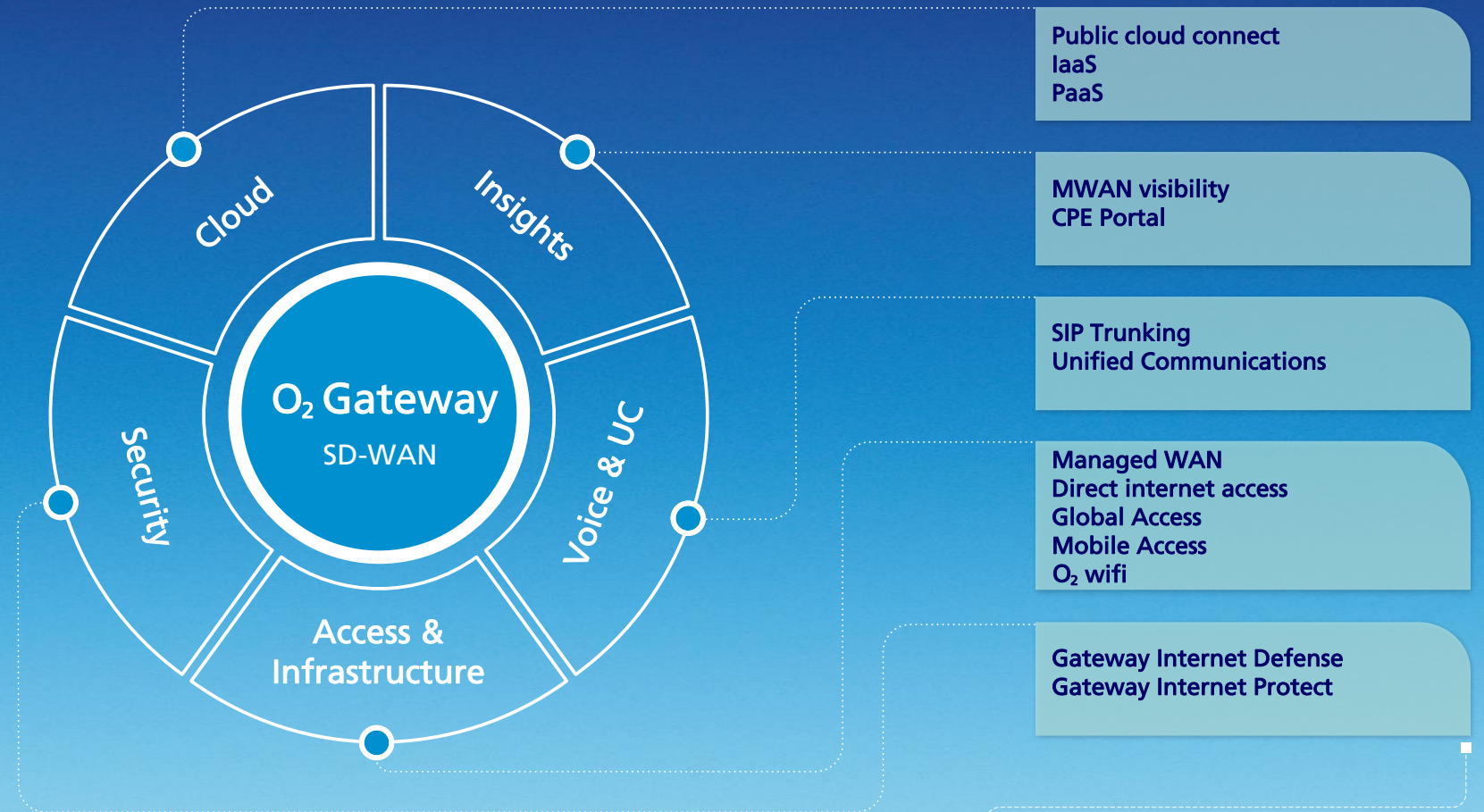
Click on each solution to find out more.

1 O₂ Gateway is the foundation for multiple services and applications. Tick the solutions that your organisation is interested in below.

- 2**
- Managed WAN
 - Access options
 - Mobile Access
 - Global Access
 - Enterprise wifi
 - Internet
 - Security
 - Compliance
 - Cloud
 - Voice and Unified Communications

Choose all that apply

3



Your summary



1 Company name:
Number of sites:

2 Challenges

- Multiple connectivity suppliers are difficult to control and manage
- Our current comms estate stops us from gaining competitive advantage
- Our operations are legacy and engrained in the 'way we do things' causing inefficiency
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3 Solutions

<input type="checkbox"/> Managed WAN	<input type="checkbox"/> Access choice	<input type="checkbox"/> Mobile Access	<input type="checkbox"/> Global Access	<input type="checkbox"/> SD-WAN
<input type="checkbox"/> O2 wifi	<input type="checkbox"/> Internet	<input type="checkbox"/> Gateway Internet Protect	<input type="checkbox"/> Gateway Internet Defence	<input type="checkbox"/> Compliance
<input type="checkbox"/> Private cloud	<input type="checkbox"/> Public cloud connect	<input type="checkbox"/> Unified Communications	<input type="checkbox"/> SIP	

Step 1:
Company details

Step 2:
What is O2 Gateway

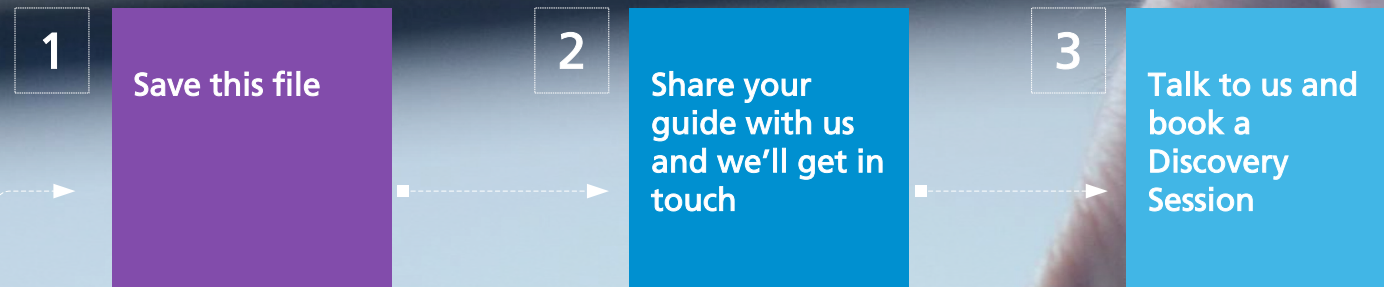
Step 3:
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Choose what you'd like to do



“ O2 Gateway takes the headache away from our internal support team as they provide a fully managed service and maintain the network for us.”

- James Elliott, IT Solution Delivery Manager, whg

Managed WAN (MWAN)

1 Managed WAN (MWAN) solution is the foundation which connects you to O₂ Gateway services. You can have end-to-end control of your MWAN, in a single solution, at a fixed cost with a guaranteed service level.

We remove the pain of designing, operating and supporting WANs, freeing your ICT teams to do more. We simplify network management, reduce operational costs and total cost of ownership.

Our MWAN connects multiple sites together with secure, guaranteed capacity that's reserved for you and connections of varying speeds are provisioned using wireless, copper or fibre based access technology as appropriate.

2 **MWAN visibility with CAPM**
An advanced tool set that delivers detailed visibility and reporting of network utilisation, performance and application metrics at network, site, device and interface level. Being able to see clearly and simply what is happening on the network is key to giving the best possible user experience.

3 **CPE Portal**
The CPE (Customer Premise Equipment) Portal compliments the O₂ Managed WAN and LAN services by providing a tool that enables our customers with the ability to have read access and run a specific set of commands to their O₂ managed routers and switches to view and download the outputs for further analysis. This helps to reduce incident resolution and by providing visibility of your managed service, increases service assurance with more transparency.



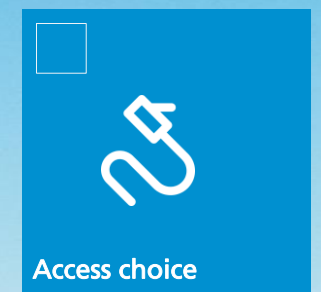
Access choice

1 Our network is interconnected with multiple network providers, allowing greater flexibility and access provider choice to best match your needs - based on location, bandwidth, application and resilience.

2 **MPLS Network Access**
The use of a layer 3 VPN makes the VPN transparent to the access technology.

As a result, sites have a choice of options available for access to the MPLS network: ethernet, xDSL, FTTx, mobile and wifi.

Since the network is constructed on the IP level, connectivity is achieved between the various sites even when the access protocols (L2) are different.



Mobile

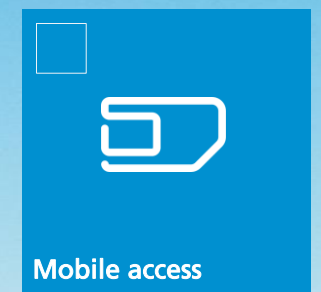
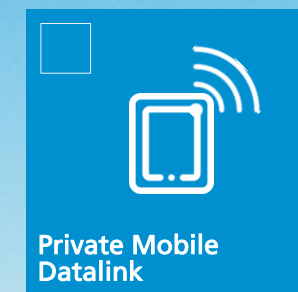
1 We're proud of our network. Of its heritage and its future. 32 million customers. We were the winners of uSwitch's Best Network for Coverage award in 2019, voted for by customers. It's secure. We were the first network to have CAS(T) certification for voice and data services.

Mobile access provides a simple, direct connection into O₂ Gateway. This means you have a simple, direct connection for remote workers and devices into your corporate network.

There's no need for private VPNs to keep your traffic secure across the internet as all mobile devices will have private access points, specific to the corporate network, keeping data separate and secure from the internet.

2 **Private Mobile Datalink (PMD)**
Allows your cellular devices on the O₂ mobile network to connect into your corporate network.

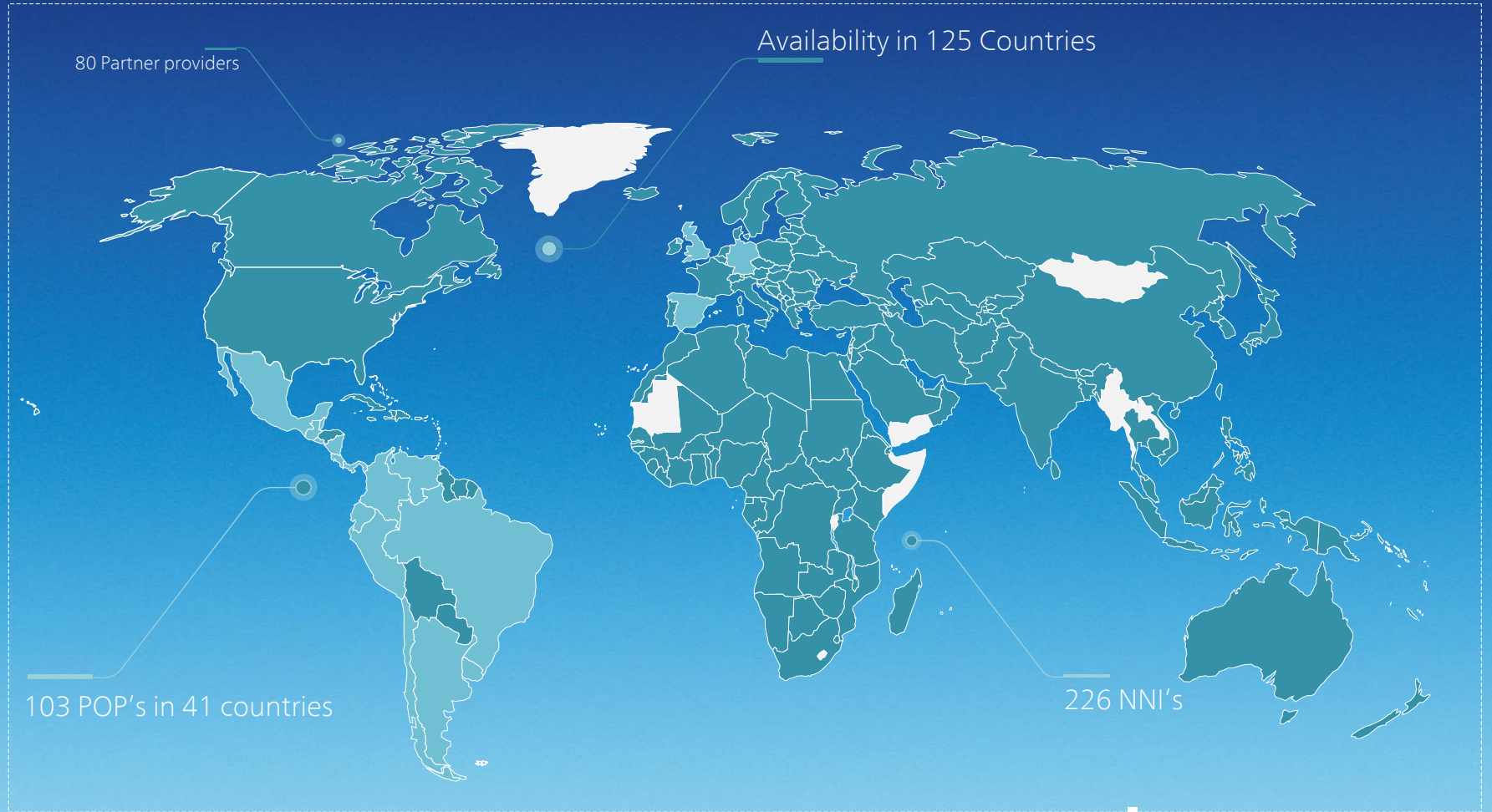
3 **Mobile Access**
You can use 'Mobile Access' as a primary connection where fixed access technologies aren't possible. Or, use as back-up to provide resilience.



Global Access

1 Global Access extends the service coverage of O₂ Gateway's UK network to customers' International locations using the global MPLS service provided by Telefonica Global Solutions (TGS). From a customer perspective their global locations are simply additional sites connected to their O₂ Gateway service.

2 The service is available in over 125 countries. Telefonica's global network has over 103 Points of Presence (PoP's) directly located in 41 countries. Coverage is achieved outside of these countries through 80 partner providers, connected by 226 Network to Network Interconnections (NNI's).



SD-WAN

1 Building on O₂ Gateway's extensive capabilities and focusing on delivering secure application performance, Gateway **SD-WAN** offers customers broader software defined options in the form of:

- **Software defined application aware** routing for improved application performance to keep pace with evolving business needs
- **Software defined orchestration** O₂ Gateway's capability used for fast and easy centralised configuration, deployment and management of the platform
- **Advanced application visibility and reporting** ability to recognise and report on thousands of corporate and cloud applications used across the customer's WAN; available at network, site, device and interface level
- **Near zero touch deployments** improved installs by reducing deployment time and costs

SD-WAN is the O₂ Gateway enhancement. And with O₂ Gateway, it's all about maximising the one-time investment and minimising disruption. Once you're on it, we open up new services and solutions.

And with new software-defined technologies emerging you can rest assured that your investment into O₂ Gateway is future-proofed. You can continually maximise its SDN capabilities and benefits, allowing your business to stay agile for whatever the future brings.



O₂ wifi

1 Wifi for everyone. Fully managed by O₂. Wifi and WAN services help you run your organisation and utilise the Internet of Things (IoT).

Connect your employees and customers with a choice of O₂ wifi offerings: Public, Office and Pro.

2 The ability to brand the O₂ wifi landing page and get access to rich data insights with O₂ Motion. Using one of the largest and most accurate sets of data in the UK today.



1 in 3 UK adults are registered users of O₂ wifi



23 million registered wifi customers



O₂ Gateway Internet

1 O₂ Gateway Internet utilises O₂ Gateway's core MPLS network infrastructure and carrier grade Internet infrastructure already supporting O₂'s fixed and mobile Internet services.

The ability to include Internet service as part of a Managed WAN service offers significant benefits to a customer as it is provided from within the cloud, and uses the same access connections to support corporate data, wifi and mobile.

2 O₂ Gateway Internet is a premium internet service, designed for fast, symmetrical, dedicated and reliable internet connections suitable for business critical applications, including web site hosting and e-commerce applications.

Gateway Internet Defence (GID) solution along with Gateway Internet Protect (GIP) are additional security offerings available to O₂ Gateway Internet.

3 **Gateway Internet Protect (GIP)**
This network based security solution provides customers with internet bandwidth plus security via a highly scalable and resilient Next Generation Firewall platform provisioned within the O₂ Gateway network.

4 **Gateway Internet Defence (GID)**
Provides organisations with centralised internet bandwidth plus DDoS mitigation via a highly scalable and resilient DDoS protection platform.



Gateway Internet Protect (GIP)

1 **O₂ Gateway Internet Protect** adds an extra dimension to your O₂ Gateway setup. It provides resilient, secure connectivity between your managed WAN and the internet. Giving your sites that first line of defence against external threats.

It's simple to switch on. With no need for site visits. No network disruption. And no additional kit required. Which means it's hassle-free and uses less space and power. And because it's embedded in O₂ Gateway, it's fully managed. There's no need to sort out your own software or hardware updates. You receive the latest protection. Automatically.

With resilient internet links and network-based firewalls, **Gateway Internet Protect** gives you peace of mind that you're protected from attacks.



Gateway Internet Defence (GID)

1 In the last decade, **Distributed Denial of Service (DDoS)** attacks have become a threat on the Internet that almost every company has to face.

It is anticipated that in the future there will be more frequent, faster and increasingly complex attacks, making **DDoS** one of the main causes of lost revenue in an organisation. Being prepared for such attacks is critical and implementing security measures in order to protect and optimise not only your customers' security but also your own network infrastructure is paramount.

Our **Gateway Internet Defence** service provides you with a solution which detects and mitigates these types of attacks before they reach your network and that allows you to maintain and achieve high service levels due to the reassurance of having comprehensive protection against multiple digital vulnerabilities and threats.



Compliance

We were the first provider to achieve **CAS(T)** certification over both our mobile and Wide Area Network (WAN) infrastructures.

CAS(T) is a security standard defined by Her Majesty's Government. It means our network is measured against strict criteria.

At O₂, the provision of network security is at the top of our priorities.

We believe that for public sector organisations to undergo a digital transformation, it is vital they can feel secure in their network provider.

We guarantee to our customers that we meet the security measures as required by **CAS(T)**, independently verified on an annual basis by an external **CESG-approved** audit company.

O₂ Gateway is the UK's most appropriately qualified, externally scrutinised convergence platform for official government use.

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What's more, we have a host of other security-related credentials – including **ISO 27001** certification. We're also committed to meeting and demonstrating the three tiers of network principles set out by the department of Government Digital Service (GDS).

These cover understanding user needs, ensuring that our services protect data and that they are designed for interworking and flexibility.



Cloud

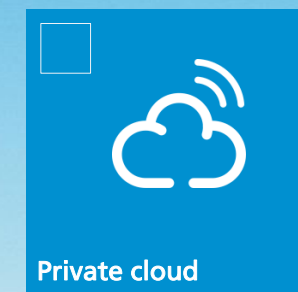
1 Our cloud Services are fully integrated with O₂ Gateway, meaning access to both Private and Public cloud connectivity is seamless.

We manage a central cloud platform which delivers processing power, network connectivity and storage hardware.

From within the service portal, customers can rapidly provision computing power, with template and user-/role-based security. So it's quick and easy to spin up and take down servers as needed.

2 **Private cloud**
Provides both IaaS and PaaS capabilities, which can be monitored and provisioned from a central portal.

3 **Public cloud connect**
Benefit from uncontented connectivity to Cloud Service Providers such as Amazon Web Services, Microsoft Azure Google and Oracle Cloud Platforms. So you can enjoy public cloud services with peace of mind.

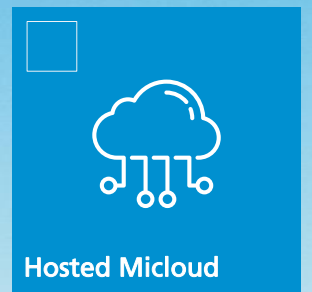


Unified Communications

1 Integrate real-time services such as instant messaging, video conferencing and data sharing into your IP telephony system, along with voicemail, email and SMS. Add smartphones and tablets to make collaborative working business as usual.

As O₂ Gateway brings together our fixed, mobile and wifi networks into a single integrated platform, it offers quick deployment of communication and collaboration tools; easy, reliable but secure access to corporate data.

2 **Hosted MiCloud**
Hosted MiCloud from O₂ is a cloud-based IP telephony and Unified Communications (UC) solution that is designed to support people as they work from anywhere, and on any device.



SIP

1

SIP Trunking gives you a reliable, secure and cost-effective way to manage your telephony. It connects your sites directly to the O₂ network using an IP connection, passing voice calls between your sites and the public telephone network (PSTN).

As more organisations modernise their comms technology, **SIP Trunking** is an increasingly popular alternative to ISDN services. It's more cost-effective than ISDN on a per-channel basis, and you'll have greater flexibility. With BT beginning the consultation around the potential end of ISDN services in 2025, now's the time to get moving.

So whether you need to get a new site up and running quickly or you want a solid foundation for the journey to converged infrastructure, SIP Trunking is the ideal choice.





O₂ Gateway

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