

NetClaw™

Network- and service-performance analysis
across fixed and mobile networks





Simple, scalable solutions across multiple technologies

It's a tough world for service providers these days. Increased competition is driving profit margins down. Yet new technologies threaten to drive operating costs up. And with IMS and Fixed Mobile-Convergence just around the corner, you need new services to remain profitable. That's why more and more operators are choosing the modular NetClaw™ to test, troubleshoot, and optimize their networks.

Services are what keep you competitive. New services have to be rolled out in a timely fashion – that's how you keep customers interested. And existing services have to be as good as possible – that's how you keep customers happy.

Services are driving important new technologies, such as the commercial launch of UMTS and the introduction of triple play solutions in general. And now that they're here, service providers have to be able to test and analyze networks using these new standards in addition to maintaining their existing services.

Enter Anritsu.

Setting the standard for testing the standards

NetClaw™ is an advanced network and service performance analyzer that helps you quickly provision, troubleshoot, and optimize new and existing services. Not only can it handle just about anything you throw at it – from GSM through GPRS/EDGE and UMTS, to VoIP and SS7 over IP (SIGTRAN) – everything is

available in a single, convenient box. That alone makes it one of the most impressive test platforms in the industry today. But there's more...

More efficient workflow

With NetClaw, everything you need is available in a single unit – data capture, monitoring, and troubleshooting. And thanks to its client-server architecture, it is possible to operate the unit both locally and remotely. In fact, up to eight users can work independently with the same data at the same time! What's more, because NetClaw efficiently tests the interoperability of these different technologies, operational costs can actually decrease even when networks become more complex. In short, workflow becomes much more efficient so it's both faster and cheaper to get profitable new services up and running.

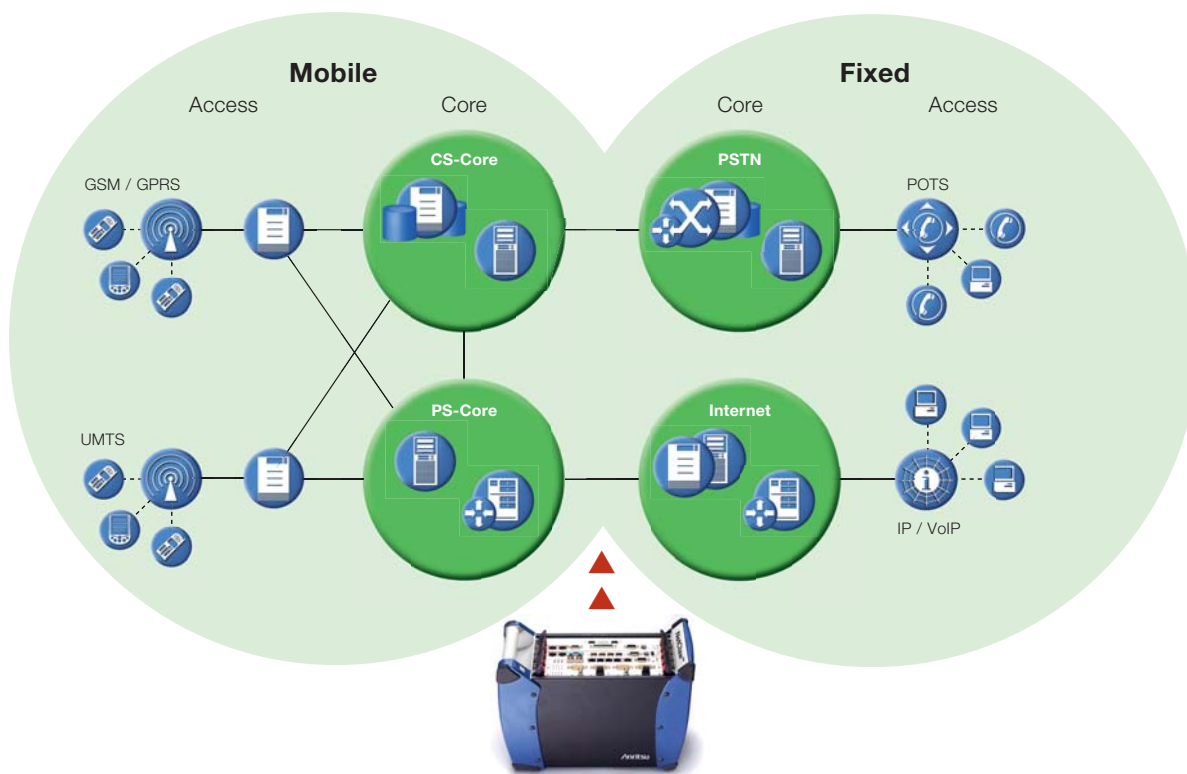
Top-down testing

Thanks to our unique, top-down approach to testing, NetClaw helps simplify the technical complexity of the latest generation of communication technologies – UMTS and VoIP in particular. Designed from a customer-service perspective, operators can quickly provision and effectively maintain networks and services so customer satisfaction remains high and churn is kept low.

Futureproof design

NetClaw's modular construction means it's ready to take on new technologies and markets – including IMS, triple play, 3.5 and 4G. Thanks to NetClaw's

Which technology is he using?
With NetClaw™, it doesn't matter!



"With its flexible design and ability to leverage existing product iterations in newer generation products, Anritsu has designed for its customers and itself a 'win-win' strategy." – Frost & Sullivan's 2005 Product Line Strategy Award

multi-technology capabilities, operators can easily migrate between these services and technologies without having to make major investment in additional tools. That helps keep capital expenses low. Moreover, NetClaw features seamless integration with our MasterClaw OSS package, which provides end-to-end network, customer, partner, and service monitoring across the entire converged network.

Well-proven solutions

With firm roots in traditional fixed-network telephony, Anritsu also pioneered test and measurement equipment for mobile technologies – including GSM, GPRS/EDGE, and UMTS. What's more, we're now a leading provider of test and monitoring solutions for VoIP, too. And because we know how complicated these technologies can be, when it comes to testing, we know how to make them as simple as they should be.



Optimize your network for increased customer satisfaction

Attracting subscribers and keeping them signed up is the challenge faced by every operator in today's crowded marketplace. It's not enough just to have good service, subscribers have to perceive good service if you want to keep them happy. Here's how we can help.

It's really very simple: we create the visibility needed so operators can see exactly how their services are experienced. There are two sides to this story – real-time network and service testing, and data capture and storage.

Reduced meantime to repair

Obviously, customers are going to get irritated if something isn't working correctly. And they're going to get mad if it isn't fixed soon. And they're going to start shopping around for a new service provider if this happens too often. So don't let it happen at all!

Thanks to NetClaw's unique ability to maintain, troubleshoot, and optimize both existing and emerging networks, plus its exceptional range of advanced testing applications, the unit provides fast resolution of network problems for service-level assurance. Moreover, because NetClaw can be used for ongoing monitoring of the network and pro-actively sends customized reports and alarms on monitored threshold-crossing events, engineers can spot potential problems early so customers don't spot them at all! With NetClaw, operators can reconfigure or upgrade critical parts of their network in a timely manner.

Full range of features in a single, convenient package

As a stand-alone analyzer, NetClaw lets you conduct comprehensive service-performance testing, plus advanced statistical processing in real-time. It even sends alarm notifications as on-screen messages, email, or SNMP traps so engineers always know what's going on – even when they're away from their desks.

NetClaw's KPIs are completely customizable, which helps speed troubleshooting and optimization. Moreover, multi-level protocol analysis in real-time across mobile access and fixed core protocols ensures rapid "on the spot" troubleshooting. And our powerful sequence recognizer makes it fast and easy to track calls, events and sessions, reducing the time to isolate specific faults or hot spots dramatically. Best of all, NetClaw's multi-user support lets up to eight engineers analyze different parts of the monitored network – simultaneously and independently.

Advanced data capture

NetClaw collects and stores network and service data. This is used for real-time data analysis, such as protocol decoding and sequencing. Alternatively, NetClaw can be used as a high-capacity probe, feeding data for post-processing performance analysis to our Compass application.

Top-down test methodology increases your efficiency

NetClaw helps you achieve high-level overview with an emphasis on customer service. As a result, you

If you don't want your subscribers to go elsewhere, don't give them an excuse!



Because NetClaw™ helps your highly trained technical staff focus on the important things, they can use their time more efficiently, which reduces operating costs.

achieve a workflow that is automatically prioritized so that the most important things come sharply into focus. You drill down to pinpoint a problem – you no longer need to “crawl around” in the hope that the problem will suddenly appear in your path.

Get new UMTS and VoIP services up and running fast

The intuitive workflow of NetClaw enables operators to quickly bring up initial UMTS networks. And once they're up and running, NetClaw helps deploy basic

services just as rapidly, with a focus on sessions and signaling sequences. Remember, NetClaw is completely modular, so even if you don't need UMTS or VoIP functionality today, you can always add them at some later date.



Lower your cost of network ownership

Anritsu NetClaw is a powerful price/performance testing platform, combined with a reliable and futureproof solution. It can be rapidly deployed and upgraded to keep pace with the evolution of your network, services, and traffic.

The better your information, the better your business decisions. Our fast and reliable engine provides exactly the type of information needed so you can get more out of your present network – without the need for additional capital investments. In short, we help keep your network both competitive and profitable.

Centralized operations

Because NetClaw builds on a client-server architecture, it can be used both on-site and from a remote location. And “remote” doesn’t necessarily mean clear across town – engineers can log onto any convenient computer and do their work seated at a comfortable desk rather than standing in a cold and cramped server room. This almost always reduces the time engineers need to spend on-site – if they have to visit the site at all.

Faster Return On Investment

“How fast is the ROI?” That’s the question every service provider asks. After all, NetClaw is a capital investment like any other network device. Even so, it doesn’t generate revenue...or does it?

The faster you can get new services to market, the faster you can generate new income. Faster time-to-market also means your business remains attractive to your current subscribers. And it helps make your business attractive to potential subscribers. Now factor in

the hidden overhead – travel time, technical salaries, maintenance of incompatible single-technology test platforms, special training for each new test platform, ineffective use of skilled personnel.

How fast is the ROI on a NetClaw investment? Faster than you think!

Easy to learn and use

When working with NetClaw, users will immediately recognize the familiar interface and straightforward operation they’ve already seen in other Anritsu equipment. And since we provide an uninterrupted learning curve, operators enjoy a significant competitive advantage over those who must first learn to use the new system.

Of course, for those engineers who haven’t used our instruments, they’ll be pleased to discover a Graphic User Interface that is easier to use than most websites! And we’ve also made sure the test routines are familiar, even if the technology is new. After an engineer has used one test interface, all the others become intuitively obvious. It’s really just that simple.

Optimizing your business

NetClaw opens a window into the inner workings of your network so that when new services are introduced, they live up to customer expectations in terms of quality and performance, and they are as profitable as they are popular. And although NetClaw is indeed a remarkable technological development, we know that it merely provides the means to an end: optimizing business performance.

NetClaw's modularity and scalability let you move effortlessly between existing and emerging technologies and services.

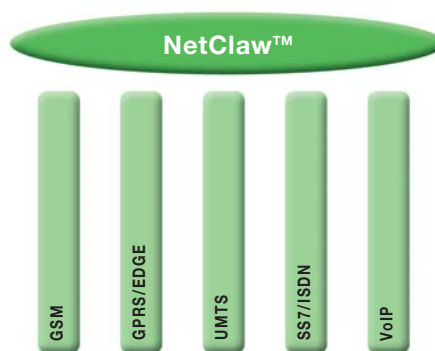


OSS solutions from Anritsu translate complex, technical data into understandable operational information so service providers can enhance their Quality of Service, increase their efficiency, and improve their profitability.

World-class solutions from an industry pioneer

For more than a century, Anritsu has been the preferred instrumentation partner for telcos the world over. Not only does our equipment provide an exceptional range of functionality, it also incorporates one of the most important technological ingredients of all time – common sense.

Today, we offer a full range of test and measurement solutions, plus a comprehensive suite of professional OSS solutions. In fact, we are one of the only suppliers with solutions for major telecommunications and networking technologies in both the network and service layers. So if you're looking for ways to make your business uniquely competitive, look to Anritsu.



The modularity and scalability of the NetClaw solution allows you to span across existing as well as emerging technologies and services.

ANRITSU CORPORATION

5-1-1 Onna, Atsugi-shi, Kanagawa,
243-8555 Japan
Tel: +81-46-223-1111
Fax: +81-46-296-1264

- Australia

ANRITSU PTY LTD.

Unit 3/170 Forster Road, Mt. Waverley,
Victoria, 3149, Australia
Free call: 1800 689 685 (within Australia)
Tel: +61 3 9558 8177
Fax: +61 3 9558 8255

- Brasil

ANRITSU ELETRONICA, LTDA

Praca Amadeu Amaral, 27-1 Andar,
01327-010 - Paraiso, Sao Paulo, Brazil
Tel: +55-11-3283-2511
Fax: +55-11-3886940

- Canada

ANRITSU ELECTRONICS LTD.

700 Silver Seven Road, Suite #120,
Kanata, ON K2V 1C3, Canada
Toll Free: 1-800-ANRITSU (+1-800-267-4878)
Tel: +1-613-591-2003
Fax: +1-613-591-1006

- Denmark

ANRITSU A/S

Kirkebjerg Allé 90, DK-2605 Brøndby, Denmark
Tel: +45 72 11 22 00
Fax: +45 72 11 22 10

- Finland

ANRITSU AB

Teknobulevardi 3-5, FI-01530 Vantaa, Finland
Tel: +358 20 741 8100
Fax: +358 20 741 8111

- France

ANRITSU S.A.

Z.A. de Courtaboeuf 1, Avenue du Québec,
91951 Les Ulis Cedex, France
Tel: +33 1.60.92.15.50
Fax: +33 1.64.46.10.65

- Germany

ANRITSU GmbH

Nemetschek Haus Konrad-Zuse-Platz 1,
81829 Munich, Germany
Tel: +49 (0) 89 442308-0
Fax: +49 (0) 89 442308-55

- India

ANRITSU CORPORATION India Liaison Office

Unit No.S-3, Second Floor,
Esteem Red Cross Bhavan,
No.26, Race Course Road,
Bangalore 560 001 India
Tel: +91-80-30944707

- Italy

ANRITSU S.p.A.

Via E. Vittorini 129, 00144 Rome, Italy
Tel: +39-06-509-9711
Fax: +39-06-502-2425

- Hong Kong

ANRITSU COMPANY LTD.

Suite 923, 9/F., Chinachem Golden Plaza,
77 Mody Road, Hong Kong
Tel: +852 2301 4980
Fax: +852 2301 3545

- Korea

ANRITSU CORPORATION

8F Hyun Juk Bldg. 832-41,
Yeoksam-dong, Seoul 135-080, Korea
Tel: +82-2 553 6603
Fax: +82-2 553 6604-5

- P. R. China

ANRITSU COMPANY LTD.

Beijing Representative Office,
Room 1515, Beijing Fortune Building
No. 5, Dong-San-Huan Bei Road
Chao-Yang District
Beijing 100004, P.R. China
Tel: +86-10 6590 9230 - 9234
Fax: +86-10 6590 9235

- Singapore

ANRITSU PTE LTD.

10, Hoe Chiang Road #07-01/02,
Keppel Towers, Singapore 089315
Tel: +65-6282-2400
Fax: +65-6282-2533

- Sweden

ANRITSU AB

Borgafjordsgatan 13, 164 40 Kista, Sweden
Tel: +46-8-53470700
Fax: +46-8-53470730

- Taiwan

ANRITSU COMPANY INC.

7F, 316, Sec. 1, Nei Hu Rd., Taipei, Taiwan
Tel: +886-2 8751 1816
Fax: +886-2 8751 1817

- U.K.

ANRITSU LTD.

200 Capability Green, Luton,
Bedfordshire LU1 3LU, U.K.
Tel: +44 1582 433280
Fax: +44 1582 731303

- U.S.A

ANRITSU COMPANY

Americas Sales Region Headquarters
1155 East Collins Blvd., Richardson,
TX 75081, U.S.A.
Toll Free: 1-800-ANRITSU (267-4878)
Tel: +1-972-644-1777
Fax: +1-972-644-3416

