



## Agilent N2X

# Enhancements and Features

## Releases 6.11 - 6.12

The Agilent N2X is the industry's most comprehensive test solution for testing the development and deployment of next generation service-aware network equipment and architectures. N2X enables realistic Multiplay testing by providing simultaneous generation and analysis of voice, video, and hardware-based stateful TCP data traffic on the same physical port, controlled through a single software application.

Please see the back of this flyer for more details regarding new software enhancements and features introduced in recent N2X software releases.

Please contact your Agilent representative you would like to obtain a demo license for these new software emulations.



For more information, please visit:

[www.agilent.com/find/N2X](http://www.agilent.com/find/N2X)

To speak with an Agilent representative, call your local office:

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Release 6.11 features	Release 6.11SR1 features	Release 6.12 features
<b>Routing / MPLS</b> <ul style="list-style-type: none"> <li>• BGP4 <ul style="list-style-type: none"> <li>- 4-byte AS support</li> <li>- Editable BGP-4 Peer pool flap parameters</li> </ul> </li> <li>• OSPFv2 <ul style="list-style-type: none"> <li>- MD-5 and clear-text authentication</li> <li>- GMPLS IP-in-IP tunneling support</li> </ul> </li> <li>• OSPF/ISIS <ul style="list-style-type: none"> <li>- multi-select of session routers</li> <li>- automatically select grid and add multiple route pools</li> <li>- multi-select topology objects to "Clear All Topology" on session router</li> <li>- Add route pools to grids &amp; grid routers</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• BGP4 <ul style="list-style-type: none"> <li>- KeepAlive timer</li> <li>- New Communities</li> </ul> </li> <li>• MPLS <ul style="list-style-type: none"> <li>- RSVP open all &amp; multi-open enhancement</li> <li>- Multi-add LDP LSPs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Routing Emulation <ul style="list-style-type: none"> <li>- OSPF Topology Builder</li> <li>- OSPF MTU increased</li> <li>- BGP-4 4-byte AS for VPN</li> <li>- IS-IS (Route tagging, FA-LSP, Restart ACK, GRID Adv/Withdraw)</li> </ul> </li> <li>• MPLS <ul style="list-style-type: none"> <li>- RSVP ERO</li> <li>- RSVP Unnumbered ERO and RRO</li> </ul> </li> </ul>
<b>Access / Carrier</b> <ul style="list-style-type: none"> <li>• Servers echoing vendor-specific tags</li> <li>• DHCPv6 clients accepting highest Advertise</li> <li>• ANCP - SetupAncpSubscribers QuickTool</li> <li>• MOS measurement</li> <li>• Multicast Group Edits</li> </ul>	<ul style="list-style-type: none"> <li>• IPTV PAs <ul style="list-style-type: none"> <li>- Dual Mode Statistics</li> <li>- per-field MDI statistics on video traffic</li> <li>- Multiplay statistics</li> </ul> </li> <li>• PPPoX <ul style="list-style-type: none"> <li>- Servers echoing vendor-specific tags</li> <li>- Flexible PPPoE VLANs</li> <li>- Flexible PPPoEoA PVCs</li> <li>- GUI responsiveness after disabling PPPoE pools</li> </ul> </li> <li>• Flexible Circuit IDs for ANCP, DHCP, PPP</li> <li>• DHCPv6 clients accepting highest Advertise</li> </ul>	<b>Access / Carrier</b> <ul style="list-style-type: none"> <li>• Access Protocols <ul style="list-style-type: none"> <li>- DHCP Option 60 ASCII value insertion</li> <li>- Re-establish PPP and DHCP Sessions</li> <li>- IGMP and MLD Rate Control</li> <li>- VLAN and IP Priority Bit configuration</li> </ul> </li> <li>• Ethernet OAM <ul style="list-style-type: none"> <li>- Con-Check Messages contain TLVs</li> <li>- 10,000 VLAN support</li> <li>- Incrementing MAID</li> <li>- VLAN and IP Priority Bit configuration</li> </ul> </li> <li>• SIP <ul style="list-style-type: none"> <li>- External Registrar</li> <li>- Pool and Instance level statistics API</li> </ul> </li> <li>• IPTV QoE Productivity Application <ul style="list-style-type: none"> <li>- Stacked VLANs</li> </ul> </li> <li>• STP <ul style="list-style-type: none"> <li>- Can select to use a standard or provider bridge group address</li> </ul> </li> </ul>
<b>General</b> <ul style="list-style-type: none"> <li>• TCP Stateful Traffic <ul style="list-style-type: none"> <li>- Load Control as Connections/s</li> <li>- Linked Client and Server Bandwidth</li> <li>- Exponential Back-off</li> </ul> </li> <li>• Data Application Software <ul style="list-style-type: none"> <li>- SMTP, POP3, IMAP   Windows IM, Yahoo IM   YouTube   SIP TCP Call Control   Gnutella, EDonkey, Kazaa</li> </ul> </li> <li>• Saving tests while traffic is being sent</li> <li>• Full-screen Line Graphs</li> <li>• Restoration Status</li> <li>• Restored Test Port List</li> <li>• Fast Find throughput Res of .001 Mb/s</li> </ul>	<ul style="list-style-type: none"> <li>• Finer control on traffic slider bar</li> <li>• Instance Details dialog box page through</li> <li>• Modifier function available for multi-selected emulations</li> <li>• Multiple GUIs connecting to a test session</li> <li>• SIP - SetUpVoiceCalls QuickTool</li> </ul>	<ul style="list-style-type: none"> <li>• GUI <ul style="list-style-type: none"> <li>- GUI light mode</li> <li>- Faster restore when restore from LaunchPad</li> <li>- Frames/second load configuration for traffic load</li> <li>- Port labels for destination ports in Stream Group Properties</li> <li>- New Rx Packet Loss (in %) stream statistics</li> </ul> </li> <li>• Other <ul style="list-style-type: none"> <li>- Wireshark Upgrade</li> <li>- Disable Trickle time</li> </ul> </li> </ul>
<b>New Products</b> <ul style="list-style-type: none"> <li>• N5605A 10-port Ethernet SFP XR-2 Test Card</li> <li>• N5595A Access Network Control Protocol Emulation Software</li> <li>• N5588A Session Initiation Protocol Emulation Software</li> </ul>	<ul style="list-style-type: none"> <li>• N5606A 10-port Ethernet SFP XR-2 interface card</li> </ul>	<ul style="list-style-type: none"> <li>• N5577A HTTP Protocol Emulation Software</li> <li>• N5589A Link OAM Emulation Software</li> <li>• N5566A Synchronous Ethernet ESMC Emulation Software</li> </ul>

The above mentioned new software enhancements and features are only available if the corresponding software license is owned.

