



WhatsUp Gold Network Detection & Response

TECHNICAL SPECIFICATION & SUBSCRIPTION PACKAGES

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WhatsUp Gold Network Detection & Response

WhatsUp Gold Network Detection & Response (NDR) is a comprehensive subscription solution combining network traffic analysis with AI/ML-powered anomaly detection. It complements

conventional security tools (firewall, IDS/IPS, antivirus) by creating a multi-layered protection system capable of uncovering threats at every stage of compromise – including insider threats that by pass perimeter defenses.

Package Architecture

Each subscription includes an Anomaly Detection System, a Collector, and Sensors:

- **Anomaly Detection System** – AI/ML-powered software module hosted on the Collector. Provides stream-based and behavioral pattern detection, adaptive baselining, machine learning analysis, heuristics, and integrated Suricata IDS. Includes Threat Intelligence and Threat Briefings services.
- **Collector (Virtual Appliance)** – Flow data collection, long-term storage, analysis, and ADS execution engine. Includes Monitoring Center for security dashboards, alerting, and incident response.
- **Sensor(s) (Virtual Appliance)** – High-performance network traffic monitoring and IP flow statistics generation (NetFlow/IPFIX). Supports IPFIX Extensions and Suricata IDS integration for enriched detection.

Subscription Tiers

- **Business** — 1× ADS + 1× Collector + 1× Sensor (up to 1,000 devices)
- **Enterprise** — 1× ADS + 1× Collector + 2× Sensors (up to 5,000 devices)
- **Enterprise Plus** — 1× ADS + 1× Collector + 4× Sensors (up to 5,000 devices)

Detection Capabilities (All Tiers)

- **Behavioral:** Machine learning, adaptive baselining, behavior analysis, heuristics
- **IDS:** Built-in Suricata IDS integration on Sensors
- **Intelligence:** AI-powered Threat Briefings, Threat Intelligence (blacklists, IoCs, C&C; detection)
- **Flow Data:** NetFlow v5/v9, IPFIX, NetStream, jFlow, cflowd
- **Reporting:** E-mail, PDF/CSV, syslog, SNMP, packet capture trigger, script trigger
- **SIEM:** CEF (over syslog), SNMP trap
- **Integration:** IBM QRadar, LDAP/AD, McAfee ePO

SKU Index

Click any SKU to navigate to its technical specification.

SKU	Tier	Devices	ADS	Collector	Sensors
WUG-NDR-300-Bus-SUB	Business	300	1x	1x	1x
WUG-NDR-500-Bus-SUB	Business	500	1x	1x	1x
WUG-NDR-1000-Bus-SUB	Business	1,000	1x	1x	1x
WUG-NDR-300-EN-SUB	Enterprise	300	1x	1x	2x
WUG-NDR-500-EN-SUB	Enterprise	500	1x	1x	2x
WUG-NDR-1000-EN-SUB	Enterprise	1,000	1x	1x	2x
WUG-NDR-2000-EN-SUB	Enterprise	2,000	1x	1x	2x
WUG-NDR-3000-EN-SUB	Enterprise	3,000	1x	1x	2x
WUG-NDR-4000-EN-SUB	Enterprise	4,000	1x	1x	2x
WUG-NDR-5000-EN-SUB	Enterprise	5,000	1x	1x	2x
WUG-NDR-300-ENP-SUB	Enterprise Plus	300	1x	1x	4x
WUG-NDR-500-ENP-SUB	Enterprise Plus	500	1x	1x	4x
WUG-NDR-1000-ENP-SUB	Enterprise Plus	1,000	1x	1x	4x
WUG-NDR-2000-ENP-SUB	Enterprise Plus	2,000	1x	1x	4x
WUG-NDR-3000-ENP-SUB	Enterprise Plus	3,000	1x	1x	4x
WUG-NDR-4000-ENP-SUB	Enterprise Plus	4,000	1x	1x	4x
WUG-NDR-5000-ENP-SUB	Enterprise Plus	5,000	1x	1x	4x

Business Tier

WUG-NDR-300-Bus-SUB

WhatsUp Gold NDR Subscription Business – Up to 300 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (1x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	1,000 flows/s	Up to 75,000 fps	Up to 0.3 Mpps / port, Up to 0.3 Mpps / appl.
Behavior Patterns	1,000 flows/s	—	—
Data Feeds / Interfaces	3 data feeds	0.5 TB storage	1 × 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	2 cores, 8 GB RAM (on Collector VM)	Rec: 16 CPU cores, 32 GB RAM, 500 IOPS	Rec: 6 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 8 GB RAM, 500 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

WUG-NDR-500-Bus-SUB

WhatsUp Gold NDR Subscription Business – Up to 500 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (1x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	1,000 flows/s	Up to 75,000 fps	Up to 0.3 Mpps / port, Up to 0.3 Mpps / appl.
Behavior Patterns	1,000 flows/s	—	—
Data Feeds / Interfaces	3 data feeds	1 TB storage	1 × 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	2 cores, 8 GB RAM (on Collector VM)	Rec: 16 CPU cores, 32 GB RAM, 500 IOPS	Rec: 6 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 8 GB RAM, 500 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

WUG-NDR-1000-Bus-SUB

WhatsUp Gold NDR Subscription Business – Up to 1,000 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (1x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	5,000 flows/s	Up to 75,000 fps	Up to 0.3 Mpps / port, Up to 0.6 Mpps / appl.
Behavior Patterns	5,000 flows/s	—	—
Data Feeds / Interfaces	5 data feeds	1 TB storage	2 × 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	4 cores, 16 GB RAM (on Collector VM)	Rec: 16 CPU cores, 32 GB RAM, 500 IOPS	Rec: 6 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 8 GB RAM, 500 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

Enterprise Tier

WUG-NDR-300-EN-SUB

WhatsUp Gold NDR Subscription Enterprise – Up to 300 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (2x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	1,000 flows/s	Up to 75,000 fps	Up to 0.3 Mpps / port, Up to 0.3 Mpps / appl.
Behavior Patterns	1,000 flows/s	—	—
Data Feeds / Interfaces	3 data feeds	0.5 TB storage	1 x 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	2 cores, 8 GB RAM (on Collector VM)	Rec: 16 CPU cores, 32 GB RAM, 500 IOPS	Rec: 6 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 8 GB RAM, 500 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

WUG-NDR-500-EN-SUB

WhatsUp Gold NDR Subscription Enterprise – Up to 500 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (2x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	1,000 flows/s	Up to 75,000 fps	Up to 0.3 Mpps / port, Up to 0.3 Mpps / appl.
Behavior Patterns	1,000 flows/s	—	—
Data Feeds / Interfaces	3 data feeds	1 TB storage	1 x 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	2 cores, 8 GB RAM (on Collector VM)	Rec: 16 CPU cores, 32 GB RAM, 500 IOPS	Rec: 6 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 8 GB RAM, 500 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

WUG-NDR-1000-EN-SUB

WhatsUp Gold NDR Subscription Enterprise – Up to 1,000 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (2x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	5,000 flows/s	Up to 75,000 fps	Up to 0.3 Mpps / port, Up to 0.6 Mpps / appl.
Behavior Patterns	5,000 flows/s	—	—
Data Feeds / Interfaces	5 data feeds	1 TB storage	2 x 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	4 cores, 16 GB RAM (on Collector VM)	Rec: 16 CPU cores, 32 GB RAM, 500 IOPS	Rec: 6 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 8 GB RAM, 500 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

Enterprise Tier (continued)

WUG-NDR-2000-EN-SUB

WhatsUp Gold NDR Subscription Enterprise – Up to 2,000 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (2x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	5,000 flows/s	Up to 75,000 fps	Up to 0.3 Mpps / port, Up to 0.6 Mpps / appl.
Behavior Patterns	5,000 flows/s	—	—
Data Feeds / Interfaces	5 data feeds	2 TB storage	2 x 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	4 cores, 16 GB RAM (on Collector VM)	Rec: 16 CPU cores, 32 GB RAM, 500 IOPS	Rec: 6 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 8 GB RAM, 500 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

WUG-NDR-3000-EN-SUB

WhatsUp Gold NDR Subscription Enterprise – Up to 3,000 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (2x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	5,000 flows/s	Up to 150,000 fps	Up to 0.3 Mpps / port, Up to 1.2 Mpps / appl.
Behavior Patterns	5,000 flows/s	—	—
Data Feeds / Interfaces	5 data feeds	3 TB storage	4 x 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	4 cores, 16 GB RAM (on Collector VM)	Rec: 32 CPU cores, 64 GB RAM, 1,000 IOPS	Rec: 8 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 16 GB RAM, 1,000 IOPS	Min: 6 CPU cores, 8 GB RAM, 25 GB HDD

WUG-NDR-4000-EN-SUB

WhatsUp Gold NDR Subscription Enterprise – Up to 4,000 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (2x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	20,000 flows/s	Up to 150,000 fps	Up to 0.3 Mpps / port, Up to 1.2 Mpps / appl.
Behavior Patterns	20,000 flows/s	—	—
Data Feeds / Interfaces	20 data feeds	6 TB storage	4 x 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	8 cores, 32 GB RAM (on Collector VM)	Rec: 32 CPU cores, 64 GB RAM, 1,000 IOPS	Rec: 8 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 16 GB RAM, 1,000 IOPS	Min: 6 CPU cores, 8 GB RAM, 25 GB HDD

Enterprise Tier (continued)

WUG-NDR-5000-EN-SUB

WhatsUp Gold NDR Subscription Enterprise – Up to 5,000 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (2x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	20,000 flows/s	Up to 150,000 fps	Up to 0.7 Mpps / port, Up to 0.7 Mpps / appl.
Behavior Patterns	20,000 flows/s	—	—
Data Feeds / Interfaces	20 data feeds	6 TB storage	1 x 10 Gbps Ethernet per sensor
Flow Cache	—	—	4 M entries
Required Resources	8 cores, 32 GB RAM (on Collector VM)	Rec: 32 CPU cores, 64 GB RAM, 1,000 IOPS	Rec: 6 CPU cores, 32 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 16 GB RAM, 1,000 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

Enterprise Tier Plus

WUG-NDR-300-ENP-SUB

WhatsUp Gold NDR Subscription Enterprise Plus – Up to 300 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (4x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	1,000 flows/s	Up to 75,000 fps	Up to 0.3 Mpps / port, Up to 0.3 Mpps / appl.
Behavior Patterns	1,000 flows/s	—	—
Data Feeds / Interfaces	3 data feeds	0.5 TB storage	1 × 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	2 cores, 8 GB RAM (on Collector VM)	Rec: 16 CPU cores, 32 GB RAM, 500 IOPS	Rec: 6 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 8 GB RAM, 500 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

WUG-NDR-500-ENP-SUB

WhatsUp Gold NDR Subscription Enterprise Plus – Up to 500 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (4x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	1,000 flows/s	Up to 75,000 fps	Up to 0.3 Mpps / port, Up to 0.3 Mpps / appl.
Behavior Patterns	1,000 flows/s	—	—
Data Feeds / Interfaces	3 data feeds	1 TB storage	1 × 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	2 cores, 8 GB RAM (on Collector VM)	Rec: 16 CPU cores, 32 GB RAM, 500 IOPS	Rec: 6 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 8 GB RAM, 500 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

WUG-NDR-1000-ENP-SUB

WhatsUp Gold NDR Subscription Enterprise – Up to 1,000 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (4x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	5,000 flows/s	Up to 75,000 fps	Up to 0.3 Mpps / port, Up to 0.6 Mpps / appl.
Behavior Patterns	5,000 flows/s	—	—
Data Feeds / Interfaces	5 data feeds	1 TB storage	2 × 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	4 cores, 16 GB RAM (on Collector VM)	Rec: 16 CPU cores, 32 GB RAM, 500 IOPS	Rec: 6 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 8 GB RAM, 500 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

Enterprise Tier Plus (continued)

WUG-NDR-2000-ENP-SUB

WhatsUp Gold NDR Subscription Enterprise Plus – Up to 2,000 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (4x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	5,000 flows/s	Up to 75,000 fps	Up to 0.3 Mpps / port, Up to 0.6 Mpps / appl.
Behavior Patterns	5,000 flows/s	—	—
Data Feeds / Interfaces	5 data feeds	2 TB storage	2 x 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	4 cores, 16 GB RAM (on Collector VM)	Rec: 16 CPU cores, 32 GB RAM, 500 IOPS	Rec: 6 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 8 GB RAM, 500 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

WUG-NDR-3000-ENP-SUB

WhatsUp Gold NDR Subscription Enterprise Plus – Up to 3,000 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (4x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	5,000 flows/s	Up to 150,000 fps	Up to 0.3 Mpps / port, Up to 1.2 Mpps / appl.
Behavior Patterns	5,000 flows/s	—	—
Data Feeds / Interfaces	5 data feeds	3 TB storage	4 x 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	4 cores, 16 GB RAM (on Collector VM)	Rec: 32 CPU cores, 64 GB RAM, 1,000 IOPS	Rec: 8 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 16 GB RAM, 1,000 IOPS	Min: 6 CPU cores, 8 GB RAM, 25 GB HDD

WUG-NDR-4000-ENP-SUB

WhatsUp Gold NDR Subscription Enterprise Plus – Up to 4,000 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (4x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	20,000 flows/s	Up to 150,000 fps	Up to 0.3 Mpps / port, Up to 1.2 Mpps / appl.
Behavior Patterns	20,000 flows/s	—	—
Data Feeds / Interfaces	20 data feeds	6 TB storage	4 x 1 Gbps Ethernet per sensor
Flow Cache	—	—	0.5 M entries
Required Resources	8 cores, 32 GB RAM (on Collector VM)	Rec: 32 CPU cores, 64 GB RAM, 1,000 IOPS	Rec: 8 CPU cores, 16 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 16 GB RAM, 1,000 IOPS	Min: 6 CPU cores, 8 GB RAM, 25 GB HDD

Enterprise Tier Plus (continued)

WUG-NDR-5000-ENP-SUB

WhatsUp Gold NDR Subscription Enterprise Plus – Up to 5,000 Devices

	Anomaly Detection System (1x)	Collector (1x)	Sensor (4x)
Function	AI/ML anomaly detection	Flow collection, storage & analysis	Traffic monitoring & flow generation
Stream Processing	20,000 flows/s	Up to 150,000 fps	Up to 0.7 Mpps / port, Up to 0.7 Mpps / appl.
Behavior Patterns	20,000 flows/s	—	—
Data Feeds / Interfaces	20 data feeds	6 TB storage	1 x 10 Gbps Ethernet per sensor
Flow Cache	—	—	4 M entries
Required Resources	8 cores, 32 GB RAM (on Collector VM)	Rec: 32 CPU cores, 64 GB RAM, 1,000 IOPS	Rec: 6 CPU cores, 32 GB RAM, 25 GB HDD
Minimum Config	(included above)	Min: 4 CPU cores, 16 GB RAM, 1,000 IOPS	Min: 4 CPU cores, 8 GB RAM, 25 GB HDD

Deployment Requirements

Supported Virtualization Platforms

Platform	Version	Applies To
VMware ESXi	5.5 and later	Collector (+ ADS) and Sensor
Microsoft Hyper-V	2012 R2 and higher	Collector (+ ADS) and Sensor
KVM	3.10.0+ / QEMU 1.5.3+ / libvirt 4.5.0+	Collector (+ ADS) and Sensor
AWS	—	Collector (+ ADS) only
Azure	—	Collector (+ ADS) only
Google Cloud	—	Collector (+ ADS) only

Anomaly Detection System — Resource Notes

- The Anomaly Detection System runs as a software module on the Collector VM. No additional VM is required.
- Required RAM/CPU are in addition to Collector base requirements. Recommended total VM memory = Collector base + 2× ADS RAM.
- Stream data processing: max flows/s across all active data feeds (1-hour average threshold).
- Behavior patterns: max flows/s for ML behavioral detection (5-minute batch processing).
- Data feeds: logical receivers for flow data segments (LAN, DMZ, tenants). Each supports multiple detection method instances.
- Enabling proxy correlation may decrease stream processing performance by up to 50%.

General Technical Notes

- Collector performance (fps) measured with average customer data. Depends on resources, system load, modules, and queries.
- Sensor performance (Mpps) measured using 64-byte packets. Depends on resources, system load, and configuration.
- All VMs require host CPU: MMX, SSE, SSE2, SSE3, SSSE3, CX16, SAHF, FXSR, AVX (Intel/AMD 2011+).
- All packages are 1-year subscriptions. Specification valid for ADS version 12.5 and newer.

About Progress Software

Progress Software (Nasdaq: PRGS) empowers organizations to achieve transformational success in the face of disruptive change. Our software enables our customers to develop, deploy and manage responsible AI-powered applications and personalized digital experiences with agility and ease. Businesses of all sizes get a trusted provider in Progress, with the products, expertise and vision they need to turn AI disruption into a competitive advantage. Millions of developers and technologists at hundreds of thousands of organizations depend on Progress every day. Learn more at www.progress.com

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