

IAONA Security Survey

This is an attempt to find out what kind of networking devices, infrastructures and services are existin today in the production environment.

Target Persons

Customers, Users - Line Builders, Machine Builders - Service Providers

We assume you are using an Ethernet network for your 'office world' and you are also networking you production units and devices.

Please help us to find better solutions for your factory network and enhanced security.

Infrastructure

Is your 'production network' separated from your 'office network' ? (no link at all)

- Yes No

If 'No', what devices are coupling the networks ?

- Router
 Firewall
 other

Are you using any hard- or software to restrict raffic between factory and office network ?

- No
 planned for future
 Yes

What kind of mechanisms will control your data flow between factory and office network?

- Router, Packet Filter
 dedicated firewall
 other

What are your infrastructure components ?

- Hubs
 Switches
 Routers

Do you have Internet access from within your production network ?

- Yes No

What are the devices in your production network ?

- PC's %
 Sensors, Actuators %
 HMI %
 PLCs %
 Field IOs %
 Industrial Controls %
 Machines %

What operating systems are you using in your network ?

<input type="checkbox"/> DOS	<input type="text"/>	%
<input type="checkbox"/> Linux	<input type="text"/>	%
<input type="checkbox"/> Win 3.11	<input type="text"/>	%
<input type="checkbox"/> Win 95/98/ME	<input type="text"/>	%
<input type="checkbox"/> Win NT	<input type="text"/>	%
<input type="checkbox"/> Win 2000	<input type="text"/>	%
<input type="checkbox"/> Win XP	<input type="text"/>	%
<input type="checkbox"/> OS/2	<input type="text"/>	%
<input type="checkbox"/> VxWorks	<input type="text"/>	%
<input type="checkbox"/> WinCE	<input type="text"/>	%
<input type="checkbox"/> embed. Linux	<input type="text"/>	%
<input type="checkbox"/> other	<input type="text"/>	%

Communication

Do you require traffic between your office network and your production network ?

- Yes No

If 'Yes', which services are required ?

- production planning data
 CAD data
 logfiles and statistics
 other

Remote Access

Do you have a single remote access point or multiple (eg. modems)

- Single Multiple

How is your remote access used ?

- only internet users
 rarely, only few external access
 services and support
 intense use (service, maintenance)

Are you using a firewall for RAS users

- Yes No

Which kind of encryption are you using ?

- none
 SSL
 SSH1
 SSH2
 ipsec (VPN)

What kind of authentication do you use ? none
 User / Password
 RSA Token, Secure-IDs
 Certificates (X.509)
 other

Are you using any remote Software ? Yes No

Which Software are you using ? PC-Anywhere
 VNC
 PC-Duo
 Telnet
 SSH
 other

How often do you need or provide remote services ?
(per day or week etc.)

Network Traffic

Are you using any fieldbus like protocol ? NDDS
on your production ethernet Profinet
 Ethernet/IP,CIP
 Modbus / TCP
 PowerLink
 EtherCat
 other

Types of network communication in your production network ? File transfer
 Web based Services
 PPS production planning systems
 any SAP service
 HMI
 OPC
 installing software updates
 SCADA (control software)
 SNMP

Which of the standard services are used in your network ?

HTTP
 SNMP
 Telnet
 SSH
 FTP
 SMTP
 POP3
 NetBios
 DHCP
 DNS
 other

Does your software uses custom ports for standard services (eg. HTTP over port 4711) ?

Yes No

Can you rate the use of standard ports and custom ports ?

% standard ports
 % custom ports

Administration

On the RAS client side, are your customer datas (phone number, user, password etc) in any way protected or encrypted ?

Yes No

Do you have security policy ? That is a set of rules for certain cases (when a laptop gets lost or stolen, when an employee is laid off etc) ?

Yes No

Are you using any administration tools or network managemant systems ?

CA Computer associates
 HP openView
 IBM NetView
 IBM Tivoli Manager
 other

Please print out the form and fax it to:

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