

HONEYWELL INFORMATION, NEWS, AND TIPS



MARCH 2021

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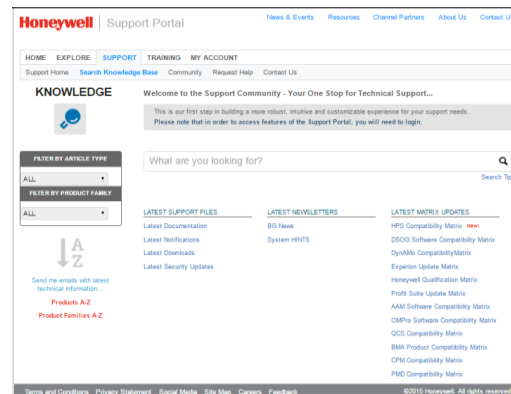
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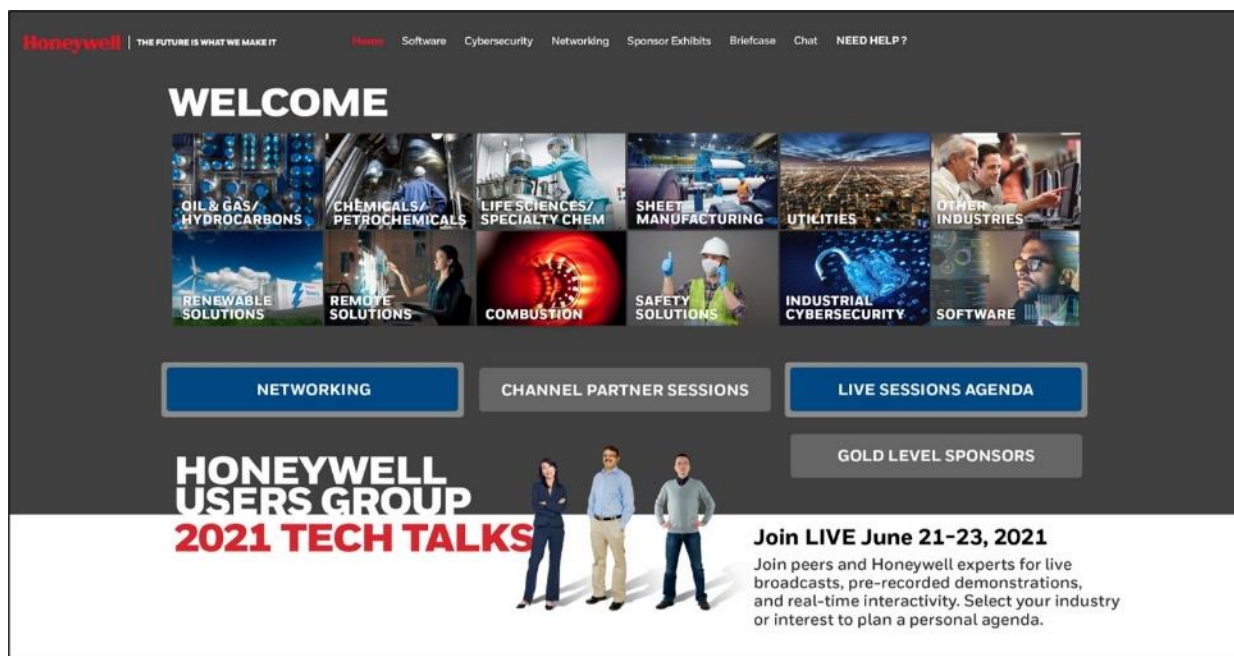
For questions or comments related to the HINTS newsletter, please write to [HPS System HINTS](#).



LIVE days June 21 - 23, and all sessions will be available on-demand until July 3.

The call for papers has started. Share your knowledge with other Honeywell users by presenting. We'll waive your conference registration fee if the Steering Committee accepts your paper. The conference is featuring live broadcasts, pre-recorded segments, and real-time interactivity, all web-based and at your fingertips with no need to download any application.

See sneak preview of the landing page:



Registration opens May 3.

For any inquiries or if you like to submit a paper, the call for papers deadline is April 30, please contact: usersgroup@honeywell.com

The Honeywell Users Group organization team.

Keep Your Process Control Systems Current with Honeywell's Kits and Enhancements Program

The Honeywell Kits and Enhancements program (K&E) enables you to keep your process control systems current by providing updates and migration packages for existing Honeywell installed equipment. The K&E program provides a cost-effective and low-risk path forward to update older hardware and migrate to current technology, which maximizes the return on your automation, control and information technology investments. These upgrades and migrations to current platforms and technologies are available at specialized pricing to protect your initial investment in Honeywell systems.

Honeywell offers a wide range of Kits and Enhancements for hardware to help users take advantage of the most advanced technology solutions available, such as the Experion® Process Knowledge Solution (PKS) platform. Our K&E program includes a variety of hardware upgrades for controllers, flat panel displays, user stations and more, as well as migrations to newer Honeywell technologies. This leads to multiple benefits, including reduced incidents, improved operator effectiveness, greater productivity, improved usability and increased security while optimizing user effectiveness and decision-making and improving plant reliability. This is achieved through creation of packages referred to as "kits" delivered either as a complete new node or managed as an upgrade — providing all the required components along with instructions to guide the installation and minimize downtime.

The K&E Pricing Structure

The K&E program offers predefined packages covering a wide range of products and degrees of change. The deliverables of these offerings will vary based on the kit type. Some are essentially restricted to a hardware deliverable while others are a combination of hardware, software and system licensing. Because these are predefined packages, the deliverables are kitted to support specific hardware and software configurations, upgrades and migrations.

The K&E program discounts the hardware and software from what a user would pay for procuring the same deliverables individually, with the added benefit of providing a complete kit with instructions to take the guesswork out of putting together your own upgrade or migration solution.

K&E Preferred Pricing – an SESP Entitlement

As a bonus, customers with a Solution Enhancement Support Program (SESP) contract (both SESP Plus and SESP Flex) will receive additional discounts on K&E deliverables.

Although they may be viewed as one in the same, SESP is an annual site service contract that enables users to enhance system capabilities on an ongoing basis and obtain support when required while benefitting from preferred pricing and flexible funding options. K&E is an upgrades and migrations convenience program and a preferred pricing entitlement provided to SESP customers.

K&E is a focused program with packaged deliverables to assist customers with their upgrades and may be independent from other Honeywell offerings. There is no requirement to have an SESP contract in place to be eligible to benefit from a K&E offering. However, an SESP contract customer will see significantly reduced prices across many of the K&E offerings and realize increased value from their contract if they leverage K&E options when available.

K&E Offerings

TDC to Experion	<ul style="list-style-type: none"> • TPS Convergence to ESVT Upgrades
Experion to Experion (LCN connected)	<ul style="list-style-type: none"> • ES-T to ES-T Upgrades • ESVT to ESVT Upgrades • ACE-T to ACE-T Upgrades • Experion APP to Experion APP Upgrades
Experion to Experion (non-LCN connected)	<ul style="list-style-type: none"> • Experion Station to Station Upgrades (non-LCN connected) • Experion Server to Server Upgrades (non-LCN connected)
UHIO Upgrade Kits	<ul style="list-style-type: none"> • Data Hiway to C300 Upgrades with UHIO
C200 to C300 Upgrade	<ul style="list-style-type: none"> • ETN Upgrade Kits
Experion/TPS	<ul style="list-style-type: none"> • Experion/TPS Bare Metal System to Experion Virtualization System
EHB Upgrade Kits	<ul style="list-style-type: none"> • Hiway Gateway to EHB Upgrade Kits
EHPM Related Upgrades	<ul style="list-style-type: none"> • PM/APM to EHPM • HPM to EHPM • NIM to ENIM • Network Kits for EHPM • NIM to ENB
Monitor Upgrades	<ul style="list-style-type: none"> • Classic Console Upgrade Kits • Classic Console - Widescreen Monitor Upgrade Kits • Z and EZ Console Upgrades • Z and EZ Consoles - Widescreen Monitor Upgrades • UWS and Micro Flat Panel Displays
Other Upgrades	<ul style="list-style-type: none"> • Disk Drive Upgrade Kits • Single Board History Module Upgrades (Must be TPN R500 or later) • K4LCN processor upgrade kits • Mounting Hardware for Honeywell supplied workstation platforms • xPM Related Upgrades • PMIO Firmware Upgrades • QCS Systems Upgrade Kits • Server Upgrade Options • LCN to ELCN Upgrades • CPU and Server Memory Upgrades • HART enabled PMIO IOP and FTA to allow for customers to access HART data directly from the EHPM controller

Please see our online K&E catalog:

Coaxial TPN Hardware Lifecycle Status Change Notification

With Honeywell's commitment to continuous innovation, customers can take advantage of state-of-the-art control system technology while protecting their intellectual property investment. Honeywell's on-process incremental upgrade to Experion LCN (ELCN), introduced in 2017, modernizes the control system infrastructure in a non-disruptive manner for support, continuation, and utilization of the latest technology developments.

With the completion of the supported ELCN nodes, Honeywell marks the next evolution step towards a unified Experion PKS control environment. Each coaxial-based LCN node has an equivalent Experion solution.

Effective March 1, 2021, and as per earlier announcements, all remaining TPN classic coax-based nodes will be withdrawn from sales and transitioned to a Legacy Lifecycle phase. In addition, all TPN nodes will be moved to Phased Out phase on December 31, 2025. For all impacted nodes, there is an ELCN equivalent solution available for migration. This is in line with the earlier System HINTS announcements (January 2015, July 2015, July 2016, February 2018, July 2018 and October 2019). The following coaxial nodes are affected by this transition:

- Enhanced Programmable Logic Controller Gateway (EPLCG)
- Coax Experion Hiway Bridge (EHB)
- Coax Enhanced Network Interface Module (ENIM)
- Enhanced TPS Node (ETN)
- Network Gateway (NG)
- Coax Application Control Environment TPS (ACE-T)
- Coax Experion APP (EAPP)
- Coax connected Experion Station TPS (ES-T)
- Coax connected Experion Server TPS (ESV-T)

The coax LCN/UCN nodes already in Legacy Lifecycle phase as per past HINTS announcements include:

- Application Module (AM)
- High Performance Process Manager (HPM)
- Network Interface Module (NIM)
- Single Board History Module (SBHM)
- Safety Manager Module (SMM)
- Fail Safe Controller (FSC)

- Data Hiway Engineering Bridge (DHEB)
- PC-based Universal Station (PCUS)
- UCN Extender (UCNE)
- XLCN Extender (XLCNE)

Parts supply for coaxial-based nodes is not affected by this notification.

Parts supply will continue until transition of the coax-based solutions to Phase-out Lifecycle phase on December 31, 2025.

System software support is not affected by this notification.

Supply of Migration Kits from NIM to ENB are not affected by this notification.

The HPS Standard Product Support Guide is available in the Customer Resource Manual Tab PD23:

<https://www.honeywellprocess.com/library/support/customer-resource-manual/PD23Z02A.pdf>

The following model numbers will be withdrawn from sales effective March 1, 2021:

Model Number	Coax-based Node	Description
MP-AMK402-100	AM	AM K4SS, EC
MP-AMK412-100	AM	K4SDR, 16MW, REDUNDANT, EC
MP-ENIMR1	ENIM	ENIM, REDUNDANT
MP-ENIMS1	ENIM	ENIM, SINGLE
MP-NEPLC5-100	EPLCG	ENHANCED PLCG, K4SDR R500, EC
MP-REPLC7-100	EPLCG	R/EPLCG K4SS4 EC
MP-REPLC8-100	EPLCG	CARD FILE ASSY, RED K4 EPLCG CL/CNSL-MNT
MP-REPLC8-200	EPLCG	CARD FILE ASSY, RED K4 EPLCG Z/CAB-MNT
MP-ETNIO1	ETN	Enh TPS Node Interface and I/O- non-CE
MP-ETNIO2	ETN	Enh TPS Node Interface and I/O- CE Mark
MP-CDHG73-100	HG	RED HG K4SS R500 EC
MP-CSHG73-100	HG	HG K4SS BOARD SET, R500
MP-ZHDXD2	Multiple Nodes	525/1.2G-2G HD U/G X-LYR
MP-ZPSC04-100	Multiple Nodes	K4SS-4 PROCESSOR/MEMORY U/G PWA
MP-NGDC72-100	NG	NGDC K4SS4 D/CBL, EC
MP-NGSC72-100	NG	NETWORK GATEWAY, SGL CNL K4SS R500
MP-HMRDLS-100	SBHM	SBHM ASSY, K4LCN, W/TWO DRIVES
MP-HMSDLS-100	SBHM	SBHM ASSY, K4LCN, W/ONE DRIVE

MP-FOMK02-100	UCN Extender	UCNE MTG LCN CAB 120
MP-FOMK03-100	UCN Extender	UCNE MOUNTING KIT, LCN CAB 240
MP-FOMK04-100	UCN Extender	UCNE MTG LCN CL 120
MP-FOMK05-100	UCN Extender	UCNE MTG LCN CL 240
MP-FOMK06-100	UCN Extender	UCNE MTG LCN Z MED
MP-FOMK06-200	UCN Extender	UCNE MTG LCN Z TALL

The following kits will be withdrawn from sales effective March 1, 2021:

(Note: ELCN Bridge is required for on-process ELCN migrations)

Kit Model Number	Description	ELCN Path Kit
TP-Z2P2R4	UPG, DUAL PUCS TO ES-T DELL RAID 1 RACK	TP-ZWDRB1
TP-Z2P2T5	UPG, DUAL PCUS TO ES-T, HP, RAID1	N/A
TP-Z2P2T6	UPG, DUAL PCUS TO ES-T, DELL TWR,RAID1	TP-ZWDTB1
TP-Z2P2T7	UPG, DUAL PCUS TO ES-T, HPZ4G4, RAID1	TP-ZWHTA1
TP-ZCDTE1-100	US TO ES-T READY GUS DESKTOP SINGLE	N/A
TP-ZE2EH2	UPG, ES-T TO ES-T ON HP, RAID1	TP-ZWHTC1
TP-ZE2EH3	UPG, ES-T TO ES-T ON HPZ4G4, RAID1	TP-ZWHTC1
TP-ZE2ER4	ES-T to ES-T upgrade, RAID1 rack-ready w	N/A
TP-ZE2ETL	UPG, ES-T TO ES-T, DELL TWR, RAID1	TP-ZWDTE1
TP-ZE3ER1	UPG ES-T to ES-T, RAID 1 RACK-READY DELL	TP-ZWDRE1
TP-ZG2EH3	UPG, GUS TO ES-T, HP, RAID1	TP-ZWHTB1
TP-ZG2EH4	UPG, GUS TO ES-T, HPZ4G4, RAID1	TP-ZWHTB1
TP-ZG2ER7	UPG, GUS TO ES-T, RAID 1 RACK-READY DELL	TP-ZWDRD1
TP-ZG2ES1	UPGRADE, UGUS TO ES-T IN DESKTOP	TP-ZWDTF1
TP-ZG2ETL	UPG, GUS TO ES-T, DELL TWR, RAID1	TP-ZWDTD1
TP-ZP2ER4	UPG, PUCS TO ES-T, RAID 1 RACK-READY DELL	TP-ZWDRC1
TP-ZP2ET5	UPG, PCUS TO ES-T, HP, RAID1	N/A
TP-ZP2ET6	UPG, PCUS TO ES-T, DELL TWR, RAID1	TP-ZWDTC1
TP-ZP2ET7	UPG, PCUS TO ES-T, HPZ4G4, RAID1	TP-ZWHTD1
TP-ZUEBD1	3 ES-T DESKTOP + 1 ESVT	N/A
TP-ZUEBDA	3 ES-T DESKTOP + 1 ESVT	N/A
TP-ZUEBDH	3 ES-T QUAD 20 ICON + 1 ESVT	N/A
TP-ZUSER2	UPG, US TO ES-T ON RACK-READY PC RAID1	TP-ZWDRA1

TP-ZUSES1	US TO ES-T DESKTOP	TP-ZWDTA1
TP-ZUSES7	US TO ES-T DUAL ICON 20	N/A
TP-ZUSES8	US TO ES-T QUAD ICON 20	N/A
TP-ZA2EV3	UPGRADE APP TO ESVT	TP-ZSDRF1
TP-ZA2EV4	UPG, APP TO ESVT REDUNDANT	TP-ZSDRG1
TP-ZAMEV3	UPGRADE AM TO ESVT	TP-ZSDRD1
TP-ZAMEV4	UPGRADE AM TO ESVT REDUNDANT	TP-ZSDRE1
TP-ZE2ER9	UPG, ESVT - ESVT ON HP DL360 G9 SRVR	TP-ZSHRE1
TP-ZE2ES8	UPG, ESVT TO ESVT ON T610 TOWER	N/A
TP-ZE2ET2	UPG, ESVT TO ESVT, DELL T340 PERF	TP-ZSDTE1
TP-ZE3ER2	UPG, ESVT TO ESVT, DELL R740XL RACK SRVR	TP-ZSDRM1
TP-ZESVT4	UPG, EPKS SERVER, PERFORMANCE DELL T340	N/A
TP-ZG2EV3	UPGRADE GUS TO ESVT	TP-ZSDRJ1
TP-ZG2EV4	UPGRADE GUS TO RED. ESVT	TP-ZSDRK1
TP-ZUEBD1	3 ES-T DESKTOP + 1 ESVT	TP-ZSDRF1
TP-ZUEBDA	3 ES-T DESKTOP + 1 ESVT	TP-ZSDRG1
TP-ZUEBDH	3 ES-T QUAD 20 ICON + 1 ESVT	N/A
TP-ZUSEV3	UPGRADE US TO ESVT	TP-ZSDRB1
TP-ZUSEV4	UPGRADE US TO ESVT REDUNDANT	TP-ZSDRC1
MP-ZENIMR	UPG, NIM TO ENIM, REDUNDANT	Use ELCN solution EP-ZLCN05 TC-ZLNIM2 If UEA: EH-ZLCN22 If Virt: EP-ZLCV05
MP-ZENIMS	UPG, NIM TO ENIM, SINGLE	Use ELCN solution EP-ZLCN01 TC-ZLNIM1 If UEA: EH-ZLCN12 If Virt: EP-ZLCV01

MP-ZENMRC	UPG, NIM TO ENIM, REDUNDANT, CE	Use ELCN solution EP-ZLCN05 TC-ZLNIM2 If UEA: EH-ZLCN22 If Virt: EP-ZLCV05
MP-ZENMSC	UPG, NIM TO ENIM, SINGLE, CE	Use ELCN solution EP-ZLCN01 TC-ZLNIM1 If UEA: EH-ZLCN12 If Virt: EP-ZLCV01
MP-ZETN01	UPG incl ETNI Dual Node Card File, K4	N/A
MP-ZETN02	UPG incl ETNI CE Mark	N/A
MP-ZETN03	UPG incl ETNI non CE Mark	N/A
MP-ZETN21	UPG incl 2 ETNI 1 DNCF 2 K4	N/A
MP-ZEHBMR	HG to EHB, Redundant, Non-CE Upgrade Kit	N/A
MP-ZEHBMS	HG to EHB, Non-red, Non-CE Upgrade Kit	N/A
MP-ZEHBRC	HG to EHB, Redundant, CE Upgrade Kit	N/A
MP-ZEHBSC	HG to EHB, Non-redundant, CE Upgrade Kit	N/A
TP-ZA2ER4	TPS APP TO EAPP RACK DL360 GEN9 RAID5	TP-ZSHRC1
TP-ZEAUL2	UPG, EAPP TO EAPP, DELL T340 NON-RAID	TP-ZSDTC1
TP-ZEAUR3	UPG, EAPP TO EAPP, HP RAID5 RACK READY	TP-ZSHRC1
TP-ZEAUR4	UPG, EAP TO EAPP, DELL R740XL RACK SRVR	TP-ZSDRH1
TP-ZEAUT2	UPG, EAPP TO EAPP, DELL T340 RAID5	N/A

The new ELCN/EUCN technology allows you to retain your valuable intellectual property created over the years. On-process incremental upgrade to Experion enables continuous innovation with the latest technology. Please contact your Honeywell account manager for more details.

McAfee Endpoint Security Support

McAfee Endpoint Security (ENS) is now qualified for use with Experion PKS R50x and R51x. McAfee ENS is the successor to the legacy McAfee VirusScan (VSE) endpoint security solution, and the supported McAfee ENS application versions and configuration guidance will be included in the next revision of the Antivirus Software Guidelines document.

Honeywell intends to support McAfee VSE until the McAfee End of Support date on 31-December-2021. After this date, no further McAfee VSE support will be available on Honeywell products.

Product Withdrawal: Experion MX CD and MD R702.1 Control Packages

Overview

Effective March 31, 2021, Honeywell will withdraw from sales Experion MX CD and MD control applications based on R702.1 release.

Accordingly, this implies that:

1. Impacted products will no longer be orderable or available for the project delivery.
2. Support status of impacted products will change from "Current" to "Supported" as per HPS software product support policy.

Reason for product lifecycle and status support change

The Experion MX CD and MD R702.1 control software architecture is dependent on the Experion MX R702.x system software release that is withdrawn from sale and replaced by R703.1. Accordingly, R703.1 CD and MD control software applications will follow.

Migration options

Experion MX CD and MD Control Applications based on the R703.1 release are now available when migrating system software.

PCN Hardening by Honeywell Cybersecurity Consulting Services

Today, cyber threats to Industrial Control System (ICS) assets have never been greater. Process control system and network hardening is needed to reduce vulnerabilities and security risks, improve compliance with industrial cybersecurity standards, and enable safe IT/OT convergence.

Process Control Network (PCN) Hardening secures process control systems and network devices by applying elevated security configurations to existing components. Its goal is to provide configurations, updates, and compliance benchmarking to optimize security across control networks and related operational systems, thereby increasing resilience against cyber-attacks.

The Honeywell PCN Hardening Service focuses on consistent and supportable policies, disabling services or features not required to perform core functions, and installing enhanced security configurations. It uses a methodical approach to audit, identify, close, and control potential security vulnerabilities throughout an organization or a specific site. The service includes multiple recommendations and guidelines, including Center for Internet Security (CIS) benchmarks, Honeywell best practices, and customer specific needs.

As part of the PCN Hardening Service, Honeywell cybersecurity experts integrate standard policies with the existing process control infrastructure. These policies are designed for compatibility with the PCN, including Experion PKS R410 and later and non-Experion nodes commonly found in the PCN.

Recent enhancements to this service include an optimized deployment process, ever-improving security configurations, and better alignment with more Honeywell and non-Honeywell systems. Customers receive expanded documentation and clarifications, which make it easier for them to manage their hardening policies.

Honeywell's PCN Hardening Service:

- Reduces potential vulnerabilities and risks
- Optimizes cybersecurity remediation efforts
- Safely deploys policies without impacting operations
- Drives improved compliance and safety

Value to Customer:

- **Guards against cyber-attacks** – Makes existing operating systems/configurations less susceptible to cyber-attacks
- **Protects network devices** – Reduces vulnerabilities through configuration changes applied directly to the network device
- **GTAC supported** – Provides confidence that this service is supported by Honeywell's Global Technical Assistance Center (GTAC)
- **Reduces potential risks** – Applies tested and qualified security settings to existing PCN assets
- **Improves cybersecurity posture** – Drives enhanced safety and compliance at industrial facilities
- **Improves compliance** – Simplifies compliance with industry standards and makes auditing transparent

Take an Effective Approach:

- Honeywell-certified cybersecurity staff will carefully validate, adjust and apply hardening recommendations within a PCN context
 - Integrate standard policies with the existing process control infrastructure
 - Audit, design and remediate PCN equipment based on Honeywell's rigorous hardening specification
- With our proven, effective approach, customer requirements are diligently integrated, prioritizing plant safety and ensuring uptime

Interested?

For more information, contact your local Honeywell account team.

Changes Made to System Inventory Portal Access

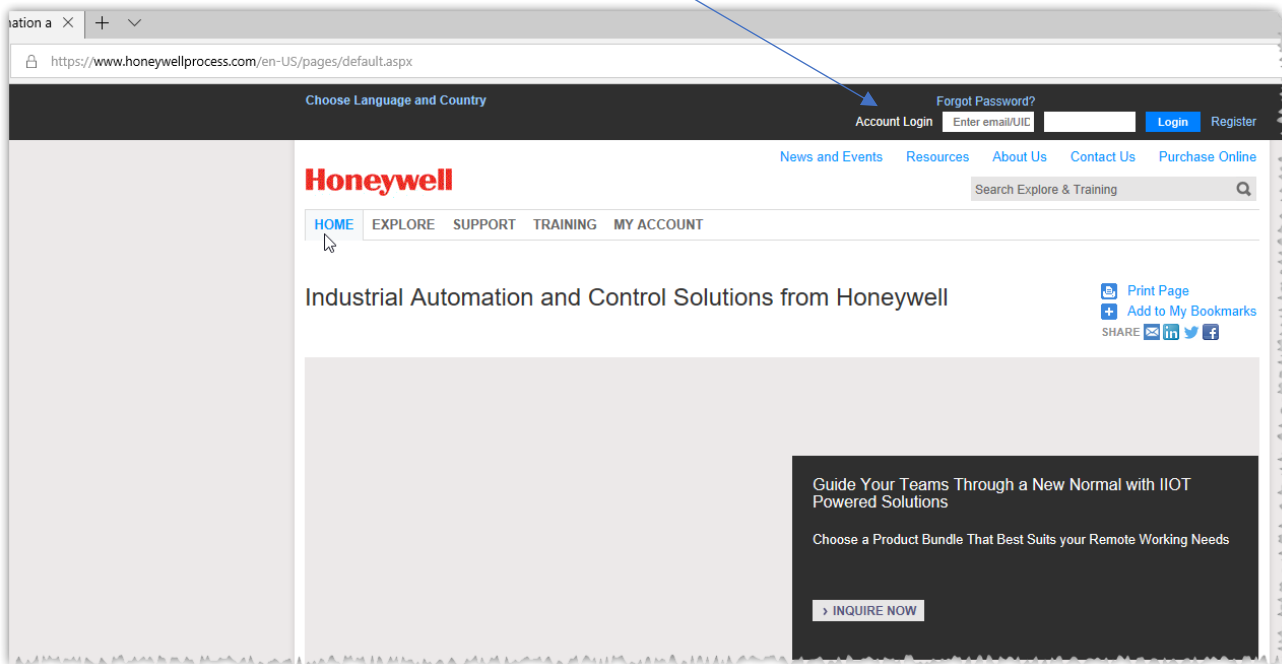
On June 5, 2020, a change was implemented to the login process for the Honeywell Process Solutions website that affects how users access services such as Support, System Inventory, Assurance 360, Migration Assistant, Spare Parts Online (Buy Now) eCommerce, and the Channel Partner Portal. Honeywell IT made these changes in order to maintain the highest level of security in our online services.

What Changed?

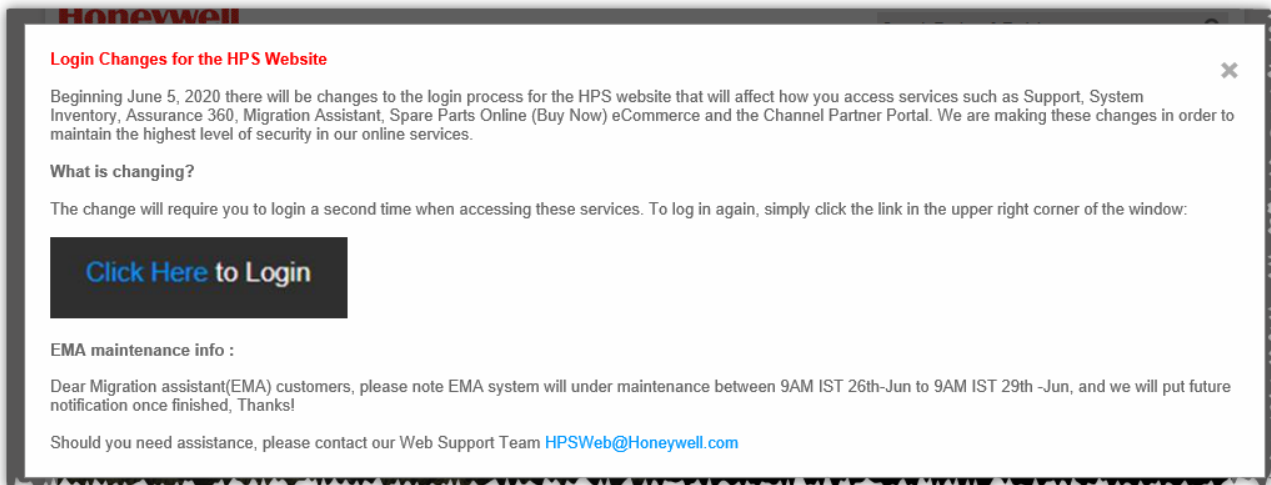
The change requires users to login a second time when accessing services. Should assistance be required, please contact the Honeywell Web Support Team at HPSWeb@Honeywell.com.

Logging into the portal now requires the following process:

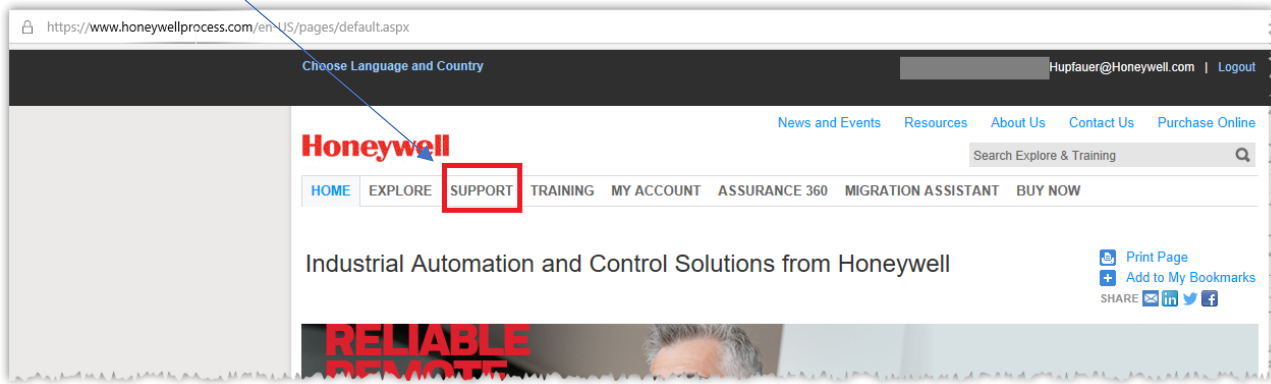
1) Go to www.honeywellprocess.com and login:



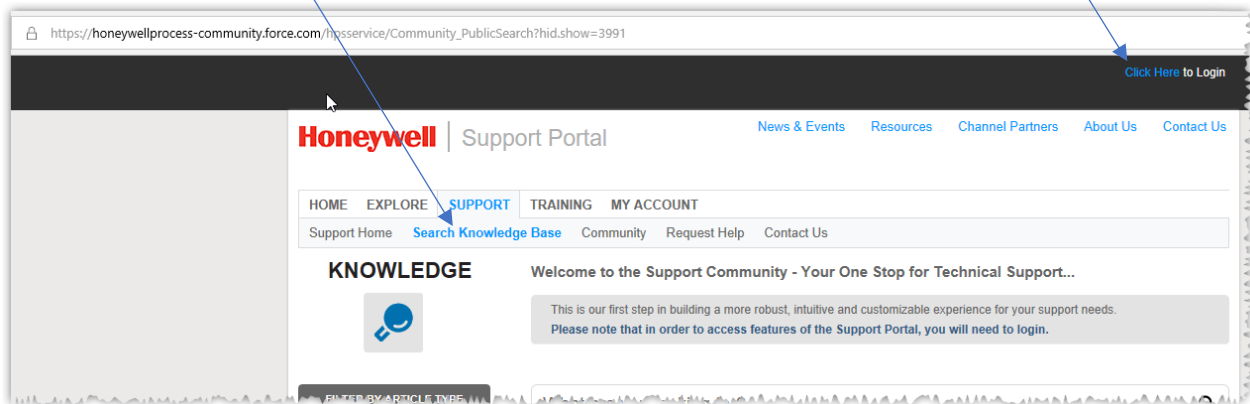
2) After login, the user sees this message:



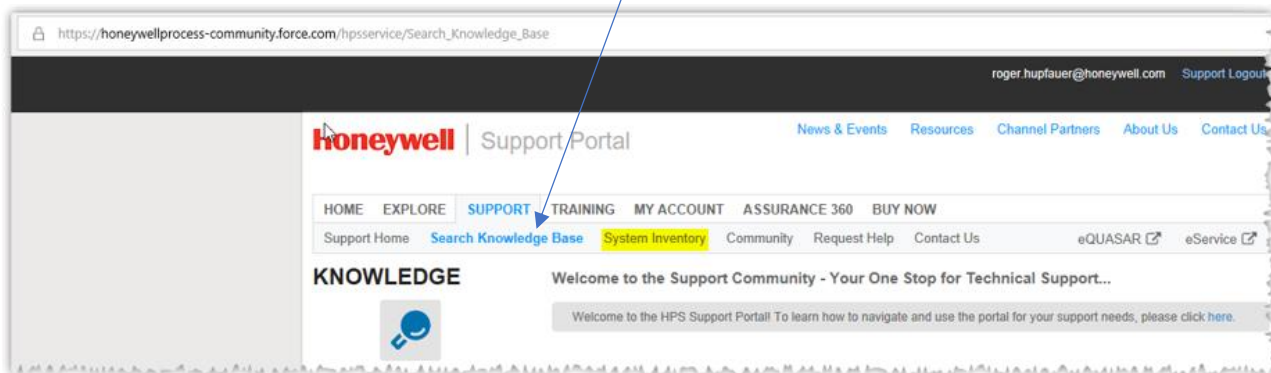
3) Select Support:



4) Notice the sub-menu appears; however, the user is no longer logged in. The user must login again...this is AS DESIGNED:



5) After logging in for the second time, System Inventory appears.



System Inventory Tool (SIT) R300.1 Offered

The System Inventory Tool (SIT) R300.1 is now offered for download from the System Inventory Tool Landing Page. This self-service tool can be installed on Experion PKS R400.8 or newer systems to scan the inventory details of the entire system, including the network as well as Cisco switches and associated nodes at predefined intervals. The tool generates an inventory file that users upload to the Support Portal

to see their inventory details in a logical and graphical overview. The inventory file is also employed to support Honeywell's automated online contract renewal process.

Provided at no cost for all Honeywell customers, both contracted and non-contracted, the SIT runs in the background and will not impact control system performance.

Once the SIT has completed its scan, a .cab file is created and then either the Honeywell technician or the customer uploads the inventory file to the System Inventory Portal. The portal will display the licensed software sourced from Honeywell, shipped hardware sourced from Honeywell, and inventoried asset data collected by the SIT.

New with R300.1:

- Advanced solution support on Level 3 (L3)
- Additional support for QCS
- Support for Experion PMD
- Collect inventory for all network switches supported by Experion
- Improvements to the diagnostic tools to quickly detect and report on SIT failures (includes SAT and device discovery)
- Reworked device discovery
- Progress meter during the collection phase
- Profit Suite (APC) support
- Control Performance Monitor CX support
- Control Performance Monitor standard support
- Profit Blending Suite support
- Profit Movement Suite support
- DynAMo Alarm Management Suite support
- Uniformance Asset Sentinel support
- Matrikon OPC Servers support (see Appendix A for full list)
- UniSim Competency Suite support on L3

Appendix A

Matrikon Data Manager

Matrikon Desktop Historian

Matrikon OPC Server for GE Turbines

Matrikon OPC Funnel

Matrikon OPC Security Gateway

Matrikon OPC Server for Allen Bradley

Matrikon OPC Server for APACS Direct

Matrikon OPC Server for BACNet

Matrikon OPC Server for Bailey DCS [Infi 90]

Matrikon OPC Server for Citect

Matrikon OPC Server for Foxboro DCS

Matrikon OPC Server for GDA [ODBC]

Matrikon OPC Server for GE PLCs

Matrikon OPC Server for IEC 61850/61400-25

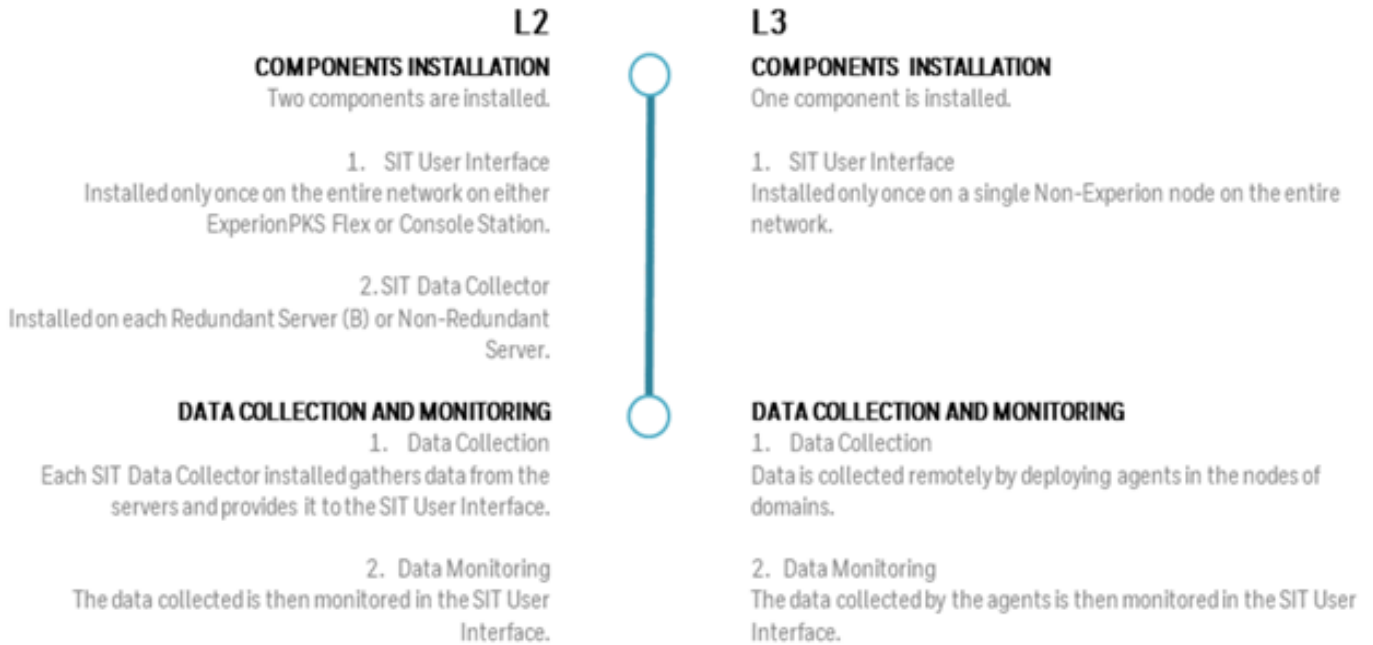
Matrikon OPC Server for IP21
Matrikon OPC Server for Johnson Controls N2
Matrikon OPC Server for KNX
Matrikon OPC Server for LonWorks LNS
Matrikon OPC Server for MarkV Direct
Matrikon OPC Server for MarkVI Direct
Matrikon OPC Server for Mitsubishi PLCs
Matrikon OPC Server for Modbus
Matrikon OPC Server for Moore APACS (API)
Matrikon OPC Server for Omni Flow Computers
Matrikon OPC Server for Omron
Matrikon OPC Server for OpenBSI
Matrikon OPC Server for ProRAE
Matrikon OPC Server for Provox (Direct)
Matrikon OPC Server for ROC
Matrikon OPC Server for RS3 RNI
Matrikon OPC Server for SCADA DNP3
Matrikon OPC Server for SCADA IEC 60870
Matrikon OPC Server for SCADA Modbus
Matrikon OPC Server for SCADA MOSCAD
Matrikon OPC Server for Siemens PLCs
Matrikon OPC Server for SNMP
Matrikon OPC Server for Vestas
Matrikon OPC Server for Wonderware InSQL (Wonderware Historian)
Matrikon OPC Server for Wonderware Intouch
Matrikon ORB
Matrikon OPC UA Tunneller - UA Proxy Component / UA Proxy
Matrikon OPC UA Tunneller - UA Wrapper Component / UA Wrapper

Installation

The SIT R300.1 is a standalone installation, and therefore not integrated with the Experion R511 media package. While the SIT can be installed on Level 2 (L2) and Level 3 (L3), the installation and configuration on both levels are independent of each other. As such, users can choose to install the tool on either or both levels, depending on their control system requirements.

Functionality of SIT on L2 and L3

Key features & differences on both levels



Information for R230 Users

Users who have installed the R230.1, R230.2 or R230.3 versions of the SIT should upgrade to R300.1 to ensure they have the latest support from Honeywell (unless they are currently running Experion R3xx.x, which is not supported by SIT R300.1). During the upgrade, their current SIT configuration will be retained.

Experion Compatibility

SIT Version	Supported Experion Version
R200.1	R301, R310, R400 and R430
R200.2	R301, R310, R400 and R430
R200.3	R301, R310, R400 and R430
R210.1	R3xx.x to R510

QCS Compatibility

QCS Architecture Version	Experion PKS Layer	System Inventory Tool Release Support
RAE1xx	None	
RAE2xx	None	
RAE3xx	None	

R210.2	R3xx.x to R510
R220.1	R3xx.x to R510
R230.1	R3xx.x to R510
R230.2	R3xx.x to R510
R230.3 (SIT patch must be installed on 32bit systems after R230.3 installation)	R400.8 to R511
R300.1	R400.8 to R515

RAE4xx	R101/201/210	No support
RAE5xx	R300/301/310/311	No support
R6xx	R 400.8	R300.1
R7xx	R5xx	R300.1

What is SIT and Why is it Needed?

Overview

The System Inventory Tool (SIT) provides a comprehensive system inventory documentation solution to support Honeywell’s contract renewal process. The tool enables our customers to complete their yearly contract renewal online through an automated system, better manage risk, prepare for any migrations, and ensure compliance and continuous evolution of their control system.

The SIT collects asset data, which is then hosted in a secure Honeywell data center where the customer can view all their control system asset information (both hardware and software) through the System Inventory Portal. And, best of all, the tool is provided free of charge by Honeywell for all contracted and non-contracted sites and does not require an SESP contract or Assurance 360 service agreement.

Automated Online Contract Renewals and More

The SIT was developed to support online contract renewals. Gone are the days of the laborious task of manually reviewing contract renewal worksheets, trying to track changes via emails and phone calls, and providing results in a timely manner. No more lost notes or questions such as, “What did we do last year?” All updates and notes regarding asset quantities will be captured in the tool and carried forward year after year, making future contract renewals faster and easier.

But contract renewals are just once a year—what else can you do with the tool?

Better Management of Risks

With the SIT, users have the ability to see all control system assets by each MSID in the Honeywell System Inventory Portal. With this view, product support status is shown for each asset. Do you know if the control system is using outdated equipment or assets no longer supported by Honeywell? Finding answers like this is just a mouse click away in the portal.

When you can see all equipment in a single view via the online portal, you know exactly what hardware and software are running, what is outdated and where improvements could be made—thus better managing risk.

Compliance and Continuous Evolution of Control Systems

With the asset topology feature found in the System Inventory Portal, users have insight into the hardware components in each control system, thus avoiding lengthy delays to gather the right information when the system needs to be supported or expanded.

Today, control systems are more complex than ever before and there is limited information on how the different components need to interact. When the entire system can be visualized in one view, it increases awareness that leads to better decision-making.

Migrations

Customers have a budget for a migration, and in many cases it's "use it or lose it." So, how will they know where best to invest in their control system?

As a user, can you quickly review every MSID design, topology and product support status for every asset? If you've uploaded your inventory asset data file to the System Inventory Portal, all this and more are just a mouse click away. And did we mention it's free? That's right—Honeywell offers this to all our customers at no cost. No contract or service plan of any kind is required.

Quickly Locate Assets

All assets are listed by Site > MSID and user-defined system names, and because each system name is assigned to its respective MSID, finding systems is easy—even if you don't know the MSID name.

What Can the Collected Asset Data Tell You?

Keeping track of the patches and updates installed on servers and stations can be a time-consuming task. It requires logging into each server or node and checking through the control panel to see which patches and updates have been installed.

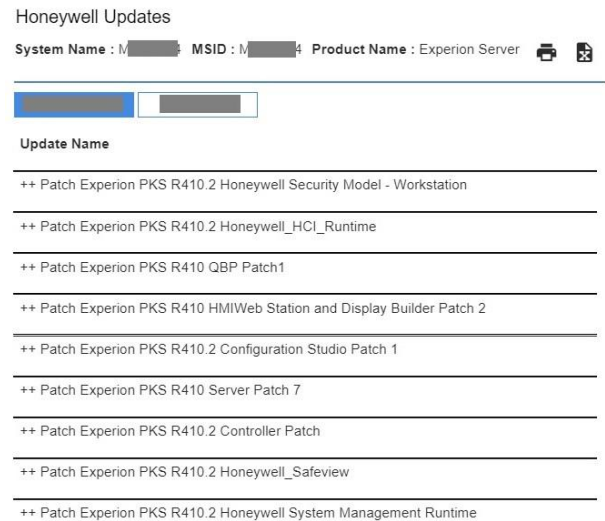
Now, if you've run the SIT and uploaded an asset inventory file to the portal, just click on the server or console station and a complete list of all installed applications, patches and updates will be displayed in an easy-to-read table.

Need to find out which version of boot firmware is installed on a C300 controller? Just click on the MSID, select the controller and a table will display everything you need to know. Want even more flexibility? Export the data to an Excel spreadsheet and sort it or create a pivot table for convenient viewing.

What Data Does the Tool Collect?

The SIT is designed to capture details of the existing system hardware and software versions, including servers, stations, controllers, I/O modules, node details, installed applications, and switch models.

How Can You View Your Data?



The screenshot shows a web interface titled "Honeywell Updates". At the top, it displays "System Name : M...", "MSID : M...", and "Product Name : Experion Server". Below this is a search bar and a section titled "Update Name". A list of updates follows, each with a double-plus sign icon and a description:

Update Name
++ Patch Experion PKS R410.2 Honeywell Security Model - Workstation
++ Patch Experion PKS R410.2 Honeywell_HCI_Runtime
++ Patch Experion PKS R410 QBP Patch1
++ Patch Experion PKS R410 HMIWeb Station and Display Builder Patch 2
++ Patch Experion PKS R410.2 Configuration Studio Patch 1
++ Patch Experion PKS R410 Server Patch 7
++ Patch Experion PKS R410.2 Controller Patch
++ Patch Experion PKS R410.2 Honeywell_Safeview
++ Patch Experion PKS R410.2 Honeywell System Management Runtime

The System Inventory Portal allows customers and certain Honeywell account managers to see their account asset data. Within the portal, users can see all servers, stations, controllers, nodes, and switch hardware, as well as detailed information about each.

Depending on which asset they're viewing, they can see the serial number, F/W, BIOS, installed software, support status, and much more.

To access the portal, go to honeywellprocess.com/support and login with the same credentials used when you registered.

Not registered? No problem! Registration is free and takes less than a minute. Once you are registered, login and select the Support tab, then select the System Inventory tab.

Series C I/O

System Name : M...4 MSID : M...4

IO Link	Name	Model	Slot/Card#	Hardware Revision	Boot FW	App FW	Serial
236IOLINK_1A	DL_HV_23	CC-PDIH01	23A	C	04.01.03	04.01.08	1...3
236IOLINK_1A	DL_HV_19	CC-PDIH01	19A	C	04.01.03	04.01.08	1...5
236IOLINK_1A	DO_24B_33	CC-PDOB01	33A	G	04.01.03	04.01.08	1...1
236IOLINK_1A	DO_24B_32	CC-PDOB01	32A	G	04.01.03	04.01.08	1...3
236IOLINK_1A	DL_HV_22	CC-PDIH01	22A	C	04.01.03	04.01.08	1...2
236IOLINK_1A	DO_24B_31	CC-PDOB01	31A	G	04.01.03	04.01.08	1...8
236IOLINK_1A	DL_HV_25	CC-PDIH01	25A	C	04.01.03	04.01.08	1...3
236IOLINK_1A	DL_HV_24	CC-PDIH01	24A	C	04.01.03	04.01.08	1...5
236IOLINK_1A	DL_HV_21	CC-PDIH01	21A	C	04.01.03	04.01.08	1...7

Who Can See Your Data?

All inventory data is viewable by only the customer, the customer's account manager, and Honeywell GTAC. In the event you call for support, GTAC can quickly get needed information such as F/W version, BIOS version, hardware rev, etc. No one else can ever see the data—not even other Honeywell employees.

What Data is Collected?

When you log into the System Inventory Portal, you will see a list of sites. Select a site and there are three icons: Licensed Software, Shipped Hardware and Inventoried Assets.

Licensed Software	Shipped Hardware	Inventoried Assets
List of all licensed software shipped by Honeywell to the customer. Includes TPS BLDR, EBR, Experion PKS, GUS, PHD, and DOC 3000 licenses.	A complete list of every piece of hardware shipped by Honeywell to the customer, sorted by most recently shipped. Includes product part number, description, serial number, and date shipped.	Comprehensive list of all assets on each control system. Includes servers, stations, controllers, LCN nodes, and switches.

Used by Customers Worldwide

Today, Honeywell has over 900 sites worldwide using the SIT in more than 2,500 control systems. Many customers have reported that the tool is easily installed, runs flawlessly, and the time saved via the automated contract renewal process eliminated weeks of manual audit work. What used to be a tiresome and lengthy process can now be completed automatically, with 100 percent accuracy and in less than a day.

Helpful Links

[System Inventory Tool Download](#)

[System Inventory Tool Portal](#)

[System Inventory Web Portal Training](#)

[Frequently Asked Questions](#)

The System Inventory Tool and portal are available at <https://www.honeywellprocess.com/support>.
<https://www.honeywellprocess.com/library/marketing/notes/System-Inventory-Tool-What-is-it-and-why-I-should-be-using-it.pdf>

Is the SIT Safe for Use with Control Systems?




The SIT is a self-service tool that HPS customers install on an Experion Flex or Console Station, along with data collectors on the Experion B Server (or non-redundant node) to collect asset data at Level 1 and Level 2, which is used to support Honeywell’s automated online contract renewal process.

The SIT generates an inventory file (.cab) that either the customer or Honeywell Field Support Specialist uploads to the secure System Inventory Portal where the user can see inventory details in a logical and graphical overview.

This tool is safe for use on a Honeywell control system. It runs as a low-priority Windows Service Event, which means it will throttle down or even pause if other Windows Events need to take priority. As such, the tool will not put a burden on the control system, nor adversely affect the performance of the network or control system.

The SIT does not collect any sensitive data. No IP addresses or customer information are ever collected. The data collected are strictly related to the assets (e.g., BIOS version, F/W version, model number, serial number, H/W version, and other asset-only related information).

System Inventory Tool Security

-  **Does not collect sensitive data**
No IP addresses, MAC addresses, or any sensitive network information
-  **Cybersecurity**
Secure authentication on HoneywellProcess.com
Enhanced security and support via TLS 1.1 or higher
-  **Honeywell Data Governance team**
Data access highly restricted and protected via
Encrypted two-factor authentication

From January 2018 to May 2020, there was a 79 percent increase in SIT adoption worldwide for contracted sites, with over 1,000 sites now using the tool without incident. The time saved via the automated contract renewal process eliminated weeks of manual audit work. What used to be a lengthy and rigorous process can now be completed automatically, with 100 percent accuracy and in less than a day.

Summary	Contracted Sites			
	# of sites	# of sites using the tool	% of sites using the tool	Change since Jan. 2018
AMER	663	559	84.31%	45.95%
APAC	128	91	71.09%	167.65%
EMEA	486	384	79.01%	78.60%
Global	1277	1034	80.97%	78.89%

When it comes to the performance impact on a running control system, the following table summarizes typical system configuration CPU usage and time to complete. As you can see, CPU impact is typically in the single-digit percentage, and the time to process data is minimal. Keep in mind that time to process will vary based on the size of the control system; number of nodes; and number of controllers, switches, servers, and stations.

Node type	System configuration	Average additional % CPU used	Time to complete audit	Number of PCs being audited
ESVT – Server B	<ul style="list-style-type: none"> Dell PowerEdge R710 server (8) Processors: Intel(R) Xeon(R) CPU E5620 @ 2.40GHz Speed: 2,394 12 GB RAM 	Negligible	7 minutes 52 seconds to 11 minutes 33 seconds	4 PCs – Server, ACE, Console Station, Flex Station
ESVT - Server A	<ul style="list-style-type: none"> Dell PowerEdge R710 server (8) Processors: Intel(R) Xeon(R) CPU E5620 @ 2.40GHz Speed: 2,394 12 GB RAM 	4.8% – 8.9%	1 minute 40 seconds to 2 minutes 56 seconds	
EST	<ul style="list-style-type: none"> Dell Precision T5500 workstation (4) Processors: Intel(R) Xeon(R) CPU X5570 @ 2.93GHz Speed: 2,926 3 GB RAM 	2.7% – 6.5%	1 minute 23 seconds to 2 minutes 50 seconds	
Flex	<ul style="list-style-type: none"> VMware virtual platform (2) Processors: Intel(R) Xeon(R) CPU X5570 @ 2.67 GHz Speed: 2,666 2 GB RAM 	7.2% - 11.9%	4 minutes to 4 minutes 21 seconds	
ACE-T	<ul style="list-style-type: none"> Dell PowerEdge T610 server (8) Processors: Intel(R) Xeon(R) CPU X5560 @ 2.80GHz Speed: 2,794 4 GB RAM 	0.3% - 1.8%	1 minute 6 seconds to 3 minutes 27 seconds	

The System Inventory Tool and portal are available via www.honeywellprocess.com/support.
<https://www.honeywellprocess.com/library/marketing/notes/System-Inventory-Tool-Is-it-safe-for-my-control-system.pdf>

HPS Priority Notifications

HPS Priority Notifications are available under “Latest Notifications” in [the Support Community](#). Be sure to check back regularly as new content is continually added in the form of notifications, *Be Aware* newsletters, Knowledge Base articles, and updates.

Products Revisions and Support Status

Latest Media Revision	Latest Patch/Update	Support Status	Functional Release - First Shipment Announcement	Software Product Category
Alarm Configuration Manager R321	R321.12	Supported	2013-10	Standalone Software
Alarm Event Analysis R321	R321.5	Supported	2013-10	Standalone Software
Blending and Movement Automation R430.y	R430.4	Supported	2014-06	Software Package
Control Performance Monitor R60x	R600.1	Supported	2017-10	Standalone Software
Control Performance Monitor R60x	R601.3	Supported	2018-05	Standalone Software
Control Performance Monitor R60x	R602.5	Supported	2020-02	Standalone Software
Control Performance Monitor R60x	R603.1	Current	2020-10	Standalone Software
ControlEdge 2020 R14x	R140.1	Supported	2017-04	Standalone Software
ControlEdge 2020 R15x	R151.1	Supported	2018-11	Standalone Software
ControlEdge 2020 R16x	R160.2	Supported	2019-12	Standalone Software
ControlEdge 2020 R16x	R161.1	Current	2020-04	Standalone Software
ControlEdge HC900 R60x	R600.1	Supported	2014-04	Standalone Software
ControlEdge HC900 R62x	R620.1	Supported	2016-09	Standalone Software
ControlEdge HC900 R63x	R630	Supported	2017-04	Standalone Software
ControlEdge HC900 R65x	R650	Supported	2018-06	Standalone Software
ControlEdge HC900 R66x	R660.2	Supported	2018-12	Standalone Software
ControlEdge HC900 R70x	R700	Current	2019-12	Standalone Software
ControlEdge PLC R15x	R151.1	Supported	2018-11	Standalone Software
ControlEdge PLC R15x	R152.1	Supported	2019-04	Standalone Software
ControlEdge PLC R16x	R160.2	Supported	2019-12	Standalone Software
ControlEdge PLC R16x	R161.1	Current	2020-04	Standalone Software
DynAMo Alerts & Notifications (A&N) R200	UA R321.2	Supported	2013-10	Standalone Software
DynAMo Documentation & Enforcement (D&E) R200	ACM R321.12	Supported	2016-05	Standalone Software
DynAMo Metrics & Reporting (M&R) R200	R202.1	Supported	2017-03	Standalone Software
DynAMo Metrics & Reporting (M&R) R210.1	R210.1	Current	2020-05	Standalone Software
DynAMo Operations Logbook (DOL) R22x	R220.3	Supported	2018-06	Standalone Software
DynAMo Operations Logbook (DOL) R23X	R230.2	Supported	2019-04	Standalone Software
DynAMo Operations Logbook (DOL) R24x	R242.1	Current	2020-04	Standalone Software
DynAMo Operations Monitoring (DOM) R22x	R220.3	Supported	2018-06	Standalone Software
DynAMo Operations Monitoring (DOM) R23x	R230.2	Supported	2019-04	Standalone Software
DynAMo Operations Monitoring (DOM) R24x	R242.1	Current	2020-04	Standalone Software
Experion Backup and Restore R50x	R500.1	Supported	2017-04	Software Package
Experion Backup and Restore R50x	R501.1	Supported	2017-04	Software Package
Experion Backup and Restore R50x	R501.2	Supported	2017-04	Software Package
Experion Backup and Restore R50x	R501.3	Current	2017-04	Software Package
Experion HS R41x	R410.1	Supported	2013-07	System Software

Experion HS R43x	R430.1	Supported	2015-03	System Software
Experion HS R50x	R500.3	Supported	2017-08	System Software
Experion HS R51x	R510.2	Supported	2018-09	System Software
Experion HS R51x	R511.1	Current	2018-09	System Software
Experion LS R30x	R300.1	Supported	2009-11	System Software
Experion LS R40x	R400.1	Current	2011-06	System Software
Experion LX R11x	R110.2	Supported	2014-09	System Software
Experion LX R12x	R120.1	Supported	2015-03	System Software
Experion LX R50x	R500.2	Supported	2017-11	System Software
Experion LX R51x	R510.2	Current	2018-11	System Software
Experion MX CD Controls R70x	R700.1	Supported	2017-03	Software Package
Experion MX CD Controls R70x	R701.2	Supported	2018-05	Software Package
Experion MX CD Controls R70x	R702.1	Supported	2019-06	Software Package
Experion MX CD Controls R70x	R703.1	Supported	2021-02	Software Package
Experion MX CDMV Controls R70x	R700.1	Supported	2017-03	Software Package
Experion MX CDMV Controls R70x	R701.1	Supported	2018-05	Software Package
Experion MX CDMV Controls R70x	R702.1	Supported	2019-06	Software Package
Experion MX CDMV Controls R70x	R703.1	Current	2019-06	Software Package
Experion MX MD Controls R70x	R700.1	Supported	2017-03	Software Package
Experion MX MD Controls R70x	R701.1	Supported	2018-05	Software Package
Experion MX MD Controls R70x	R702.1	Supported	2019-06	Software Package
Experion MX MDMV Controls R70x	R700.1	Supported	2017-03	Software Package
Experion MX MDMV Controls R70x	R701.3	Supported	2018-05	Software Package
Experion MX MDMV Controls R70x	R702.1	Supported	2019-06	Software Package
Experion MX MDMV Controls R70x	R703.1	Current	2021-02	Software Package
Experion MX/MXProLine R70x	R700.5	Supported	2017-03	System Software
Experion MX/MXProLine R70x	R701.4	Supported	2018-05	System Software
Experion MX/MXProLine R70x	R702.3	Supported	2019-06	System Software
Experion MX/MXProLine R70x	R703.1	Current	2020-12	System Software
Experion PKS R50x	R501.4	Supported	2017-01	System Software
Experion PKS R50x	R501.6	Supported	2017-01	System Software
Experion PKS R51x	R510.1	Supported	2018-08	System Software
Experion PKS R51x	R510.2	Supported	2018-08	System Software
Experion PKS R51x	R511.3	Supported	2018-08	System Software
Experion PKS R51x	R511.4	Current	2018-08	System Software
Fail Safe Controller R71x	R710.9	Supported	2011-07	System Software
Fail Safe Controller R80x	R801.4	Current	2014-10	System Software
Field Device Manager R50x	R500.1	Supported	2017-03	Standalone Software
Field Device Manager R50x	R501.4	Supported	2017-03	Standalone Software
Field Device Manager R51x	R511.5	Current	2019-09	Standalone Software
Forge Cybersecurity Suite-Enterprise Core and Premium	R201.1	Current	2020-06	Standalone Software
Forge Cybersecurity Suite-SITE	R201.1	Current	2020-06	Standalone Software
Honeywell Trace R130	R130.1 Patch 2	Supported	2019-03	Standalone Software
Honeywell Trace R140	R140.1	Current	2020-06	Standalone Software

Immersive Competency	R100.1	Current	2018-07	Standalone Software
Integrated Automation Assessment R15x	R150.1	Supported	2018-02	Standalone Software
Integrated Automation Assessment R16x	R160.1	Supported	2019-12	Standalone Software
Integrated Automation Assessment R17x	R170.3	Current	2020-09	Standalone Software
OptiVision R54x	R541.1	Supported	2012-01	Software Package
OptiVision R56x	R560.2	Supported	2014-08	Software Package
OptiVision R600x	R600.1	Current	2019-10	Software Package
PlantCruise R10x	R100.3	Supported	2013-07	System Software
PlantCruise R11x	R110.2	Supported	2014-09	System Software
PlantCruise R12x	R120.1	Supported	2015-03	System Software
PlantCruise R50x	R500.1	Supported	2017-11	System Software
PlantCruise R51x	R510.2	Current	2018-11	System Software
PMD R90x	R900.2	Supported	2017-02	System Software
PMD R90x	R900.3	Supported	2020-10	System Software
PMD R91x	R910.2	Supported	2018-12	System Software
PMD R91x	R910.3	Current	2020-05	System Software
Predict-Amine	R4.0	Supported	2017-09	Standalone Software
Predict-Crude	R2.0	Supported	2015-09	Standalone Software
Predict-O&G	R7.1	Supported	2018-09	Standalone Software
Predict-Pipe	R5.0	Supported	2018-12	Standalone Software
Predict-RT	R140	Supported	2019-06	Standalone Software
Predict-SA	R2.0	Supported	2014-12	Standalone Software
Predict-SW (Sour Water)	R4.0	Supported	2018-12	Standalone Software
Procedure Analyst R41x	R410.0	Supported	2013-01	Standalone Software
Procedure Analyst R43x	R430.1	Supported	2015-06	Standalone Software
Procedure Analyst R50x	R500.2	Supported	2017-03	Standalone Software
Procedure Analyst R51x	R511.1 Patch 1	Current	2020-09	Standalone Software on Experion PKS Media
Process Safety Analyzer	R115	Supported	2017-06	Standalone Software
Process Safety Analyzer	R200	Supported	2020-02	Standalone Software
Process Safety Analyzer	R201	Current	2020-07	Standalone Software
Profit Blending and Movement R431.y	R431.4	Supported	2015-06	Software Package
Profit Blending and Movement R500.y	R500.2	Supported	2016-11	Software Package
Profit Blending and Movement R501.y	R501.3	Supported	2018-05	Software Package
Profit Blending and Movement R510.y	R510.3	Current	2019-09	Software Package
Profit Suit R44x	R442.1	Supported	2017-04	Standalone Software
Profit Suit R50x	R502.1	Supported	2019-12	Standalone Software
Profit Suit R51x	R510.1	Current	2020-07	Standalone Software
Quality OptiMiser R540x	R540.1	Supported	2010-10	Standalone Software
Quality OptiMiser R550x	R550.1	Supported	2014-12	Standalone Software
Quality OptiMiser R560x	R560.1	Current	2017-11	Standalone Software
Risk Manager R170	R170.1 Patch 3	Supported	2018-03	Standalone Software
RTU2020 R11x	R110.1	Supported	2015-06	Standalone Software
RTU2020 R12x	R120.1	Supported	2016-05	Standalone Software
Safety Historian R20x	R202.1	Current	2014-03	System Software

Safety Manager R14x	R146.2	Supported	2010-05	System Software
Safety Manager R15x	R154.4	Supported	2012-04	System Software
Safety Manager R16x	R162.6	Current	2014-10	System Software
Safety Manager SC R20x	R201.2	Supported	2018-08	System Software
Safety Manager SC R21x	R210.3	Current	2020-06	System Software
Secure Media Exchange (SMX)	104.6	Current	2017-08	Standalone Software
Socrates	R10.0	Supported	2019-03	Standalone Software
Symphonite Integration and Analytics R200.1	R200.2	Supported	2017-07	Standalone Software
Symphonite Integration and Analytics R201.2	R201.2	Current	2020-01	Standalone Software
Symphonite Production Accounting & Reconciliation	R200.1	Supported	2015-08	Standalone Software
Symphonite Production Accounting & Reconciliation	R201.2	Supported	2015-08	Standalone Software
Symphonite Production Accounting & Reconciliation	R210.1	Current	2019-02	Standalone Software
Symphonite RPMS	R510.1.8	Supported	2018-12	Standalone Software
System Inventory Tool R22x	R220.1	Supported	2017-09	Standalone Software
System Inventory Tool R23x	R230.1	Supported	2018-05	Standalone Software
System Inventory Tool R23x	R230.2	Supported	2018-05	Standalone Software
System Inventory Tool R23x	R230.3	Supported	2018-05	Standalone Software
System Inventory Tool R30x	R300.1	Current	2019-09	Standalone Software
System Performance Analyzer R130	R130.1	Supported	2020-06	Standalone Software
System Performance Analyzer R140	R140.1	Current	2021-02	Standalone Software
TCMI R10x	R100.5	Current	2017-11	System Software
TPN (AM) CLM R36x	R360.12	Supported	2002-01	System Software
TPN R685.x	R685.4	Supported	2016-06	System Software
TPN R686.x	R686.4	Supported	2016-10	System Software
TPN R687.x	R687.5	Supported	2018-02	System Software
TPN R687.x	R687.6	Supported	2018-02	System Software
TPN R688.x	R688.3	Supported	2019-01	System Software
TPN R688.x	R688.4	Supported	2019-01	System Software
TPN R688.x	R688.5	Current	2019-01	System Software
TPS (APP) CLM R20x	R200.2	Supported	2012-07	System Software
TPS Builder R43x	R430.1	Supported	2016-05	Software Package
Uniformance Asset Sentinel R51x	R510.1	Supported	2017-04	Standalone Software
Uniformance Asset Sentinel R51x	R511.2	Supported	2017-10	Standalone Software
Uniformance Asset Sentinel R52x	R520.1	Supported	2018-12	Standalone Software
Uniformance Asset Sentinel R52x	R520.2	Current	2019-07	Standalone Software
Uniformance Executive R31x	R311.1	Supported	2018-03	Standalone Software
Uniformance Executive R32x	R320.1	Current	2018-09	Standalone Software
Uniformance Insight R20x	R200.1	Supported	2018-06	Standalone Software
Uniformance Insight R21x	R210.1	Supported	2019-09	Standalone Software
Uniformance Insight R22x	R220.1	Current	2020-09	Standalone Software
Uniformance KPI R12x	R121.1	Supported	2017-05	Standalone Software
Uniformance KPI R13x	R130.1	Supported	2018-03	Standalone Software

Uniformance KPI R13x	R131.1	Current	2019-11	Standalone Software
Uniformance PHD R34x	R340.1	Supported	2017-10	Standalone Software
Uniformance PHD R40x	R400.1	Current	2019-06	Standalone Software
Uniformance Process Studio R32x	R322.2	Current	2016-09	Standalone Software
Uniformance Process Studio R32x	R323.1	Current	2020-04	Standalone Software
UniSim Competency Suite	R460.1	Supported	2018-04	Standalone Software
UniSim Competency Suite	R461.1	Supported	2019-01	Standalone Software
UniSim Competency Suite	R470.1	Supported	2020-01	Standalone Software
UniSim Competency Suite	R471.1	Current	2020-10	Standalone Software
UniSim Design	R460.1	Supported	2018-01	Standalone Software
UniSim Design	R461.1	Supported	2019-04	Standalone Software
UniSim Design	R470.1	Supported	2019-10	Standalone Software
UniSim Design	R471.1	Supported	2020-10	Standalone Software
UniSim Design	R480.1	Current	2020-10	Standalone Software
UserAlert R321	R321.2	Supported	2013-10	Standalone Software
Web Order Services 54x	R540.1	Current	2014-08	Standalone Software

Note: Software releases not listed in the table are in “Phased Out” lifecycle status. The HPS Product Support Guide for Control, Safety and Monitoring Systems is available for download [here](#).

Only Latest and Latest-1 patches/updates are supported by GTAC at the defined support level for the software functional release.

Definitions:

“Software Package” means any HPS software product developed for the specific functional release of system software.

“Standalone Software” means any HPS software product developed for independent operation from a system software functional release.

“System Software” means machine-readable data and executable programs used to define the functionality of the HPS control system and standard hardware products, but does not include firmware, operating system, application software or other software products.