



Smart home and building solutions.
Global. Secure. Connected.

Smarthome Franken e. V. @ KNX Association

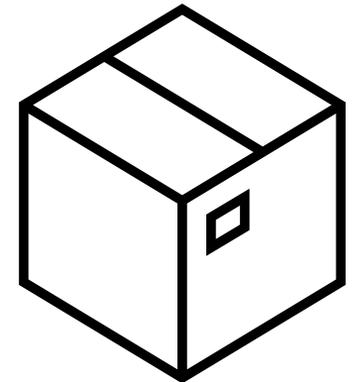
09.05.2025, Michael Critchfield





Smarthome Franken e. V. @ KNX Association

- What is KNX?
- Benefit from latest System Extensions
- Changes in ETS6.3
- Cyber Security: Port 3671
- Future of KNX
- Takeaways



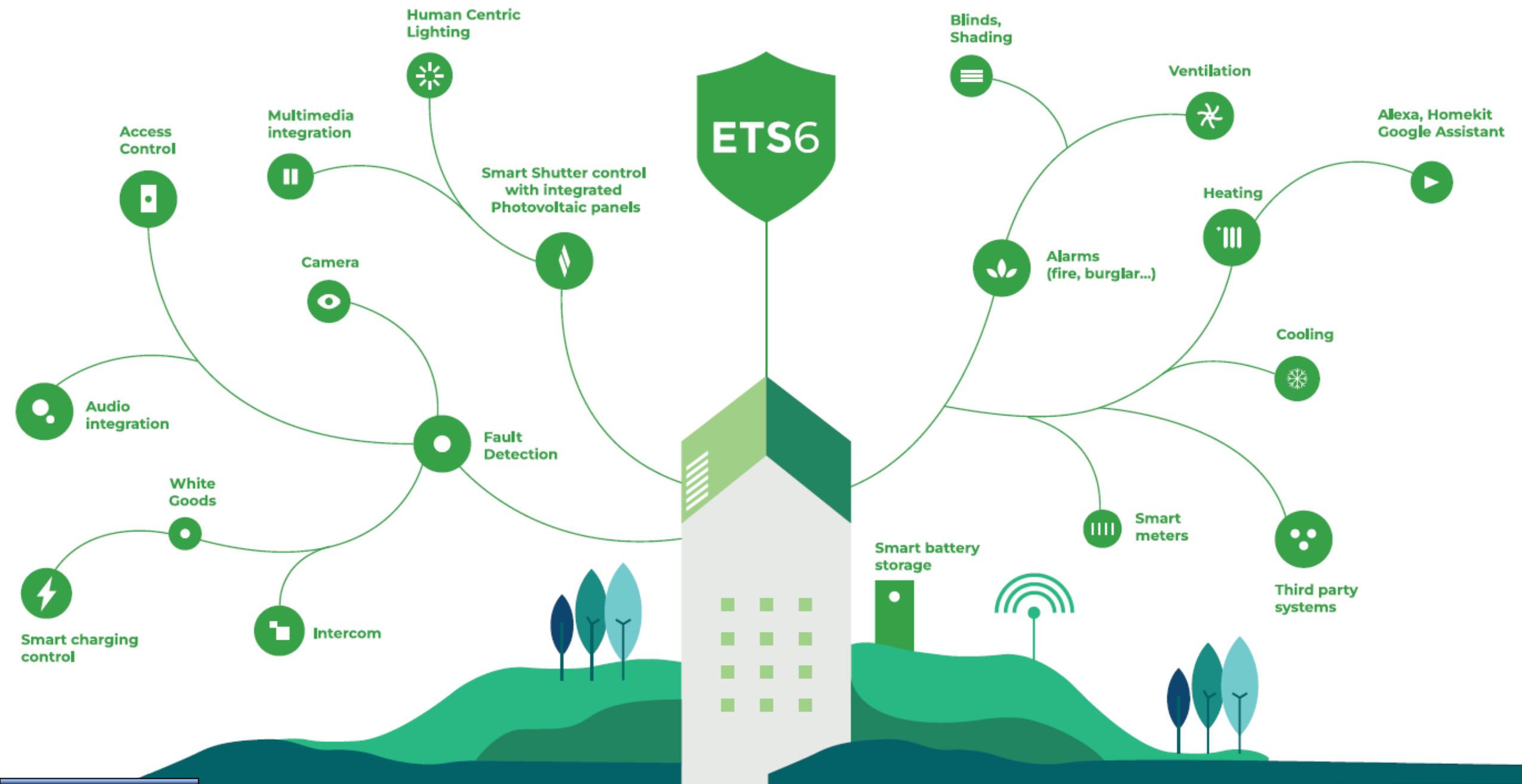


What is KNX?

- The Standard for Building Automation: www.knx.org
- Bringing together an impressive Community
 - KNX Association
 - KNX Manufacturers
 - KNX Training Centers
 - KNX National Groups
 - KNX Partners
 - KNX Scientific Partners
 - KNX Installations
- All Applications, all Building Types, all Medium Types
 - ➔ Always on the Move!

The benefits of KNX

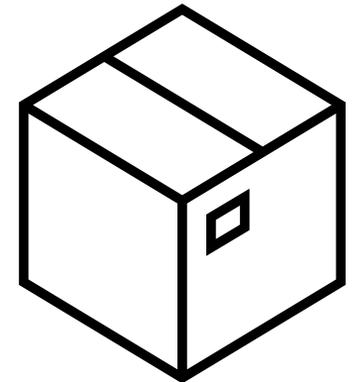
- ✓ A future-proof technology
- ✓ Endless flexibility and personalization
- ✓ A safe and secure system
- ✓ Timesaving and easy installation
- ✓ A fully integrated solution
- ✓ An international community

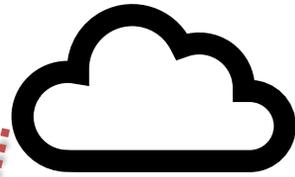




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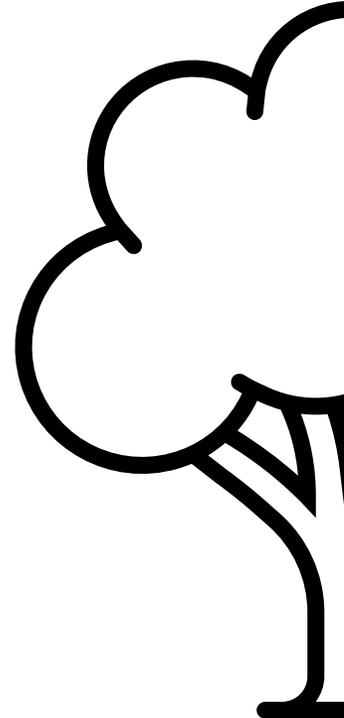
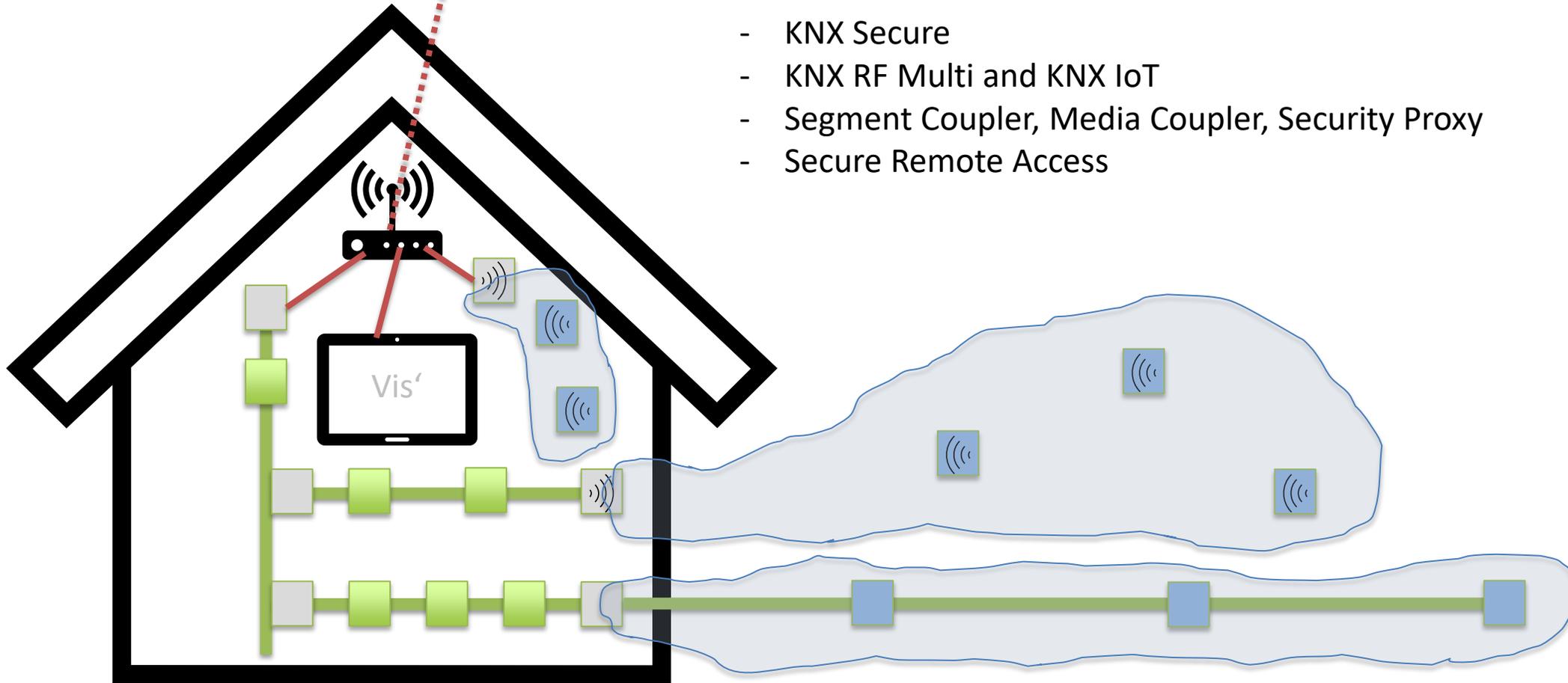
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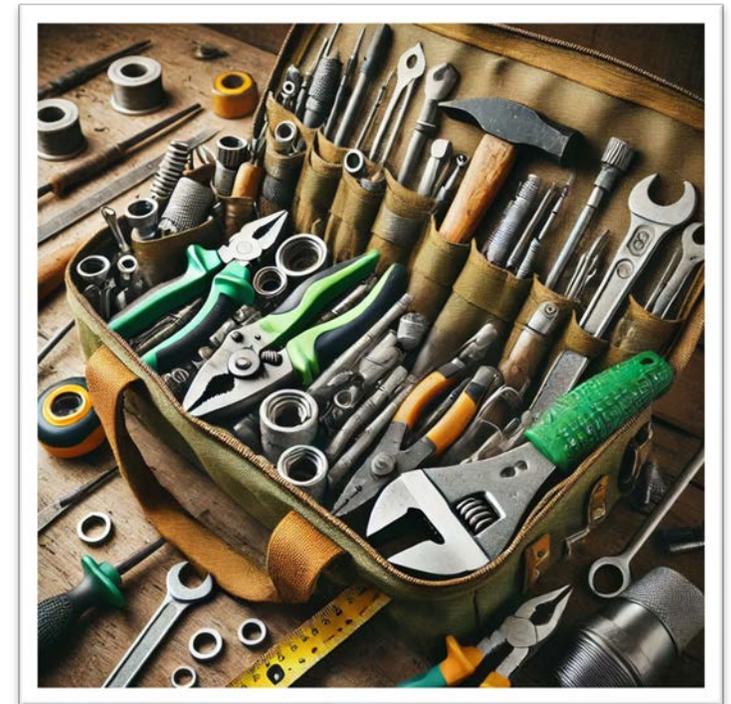
Benefit from latest System Extensions

- KNX Secure
- KNX RF Multi and KNX IoT
- Segment Coupler, Media Coupler, Security Proxy
- Secure Remote Access



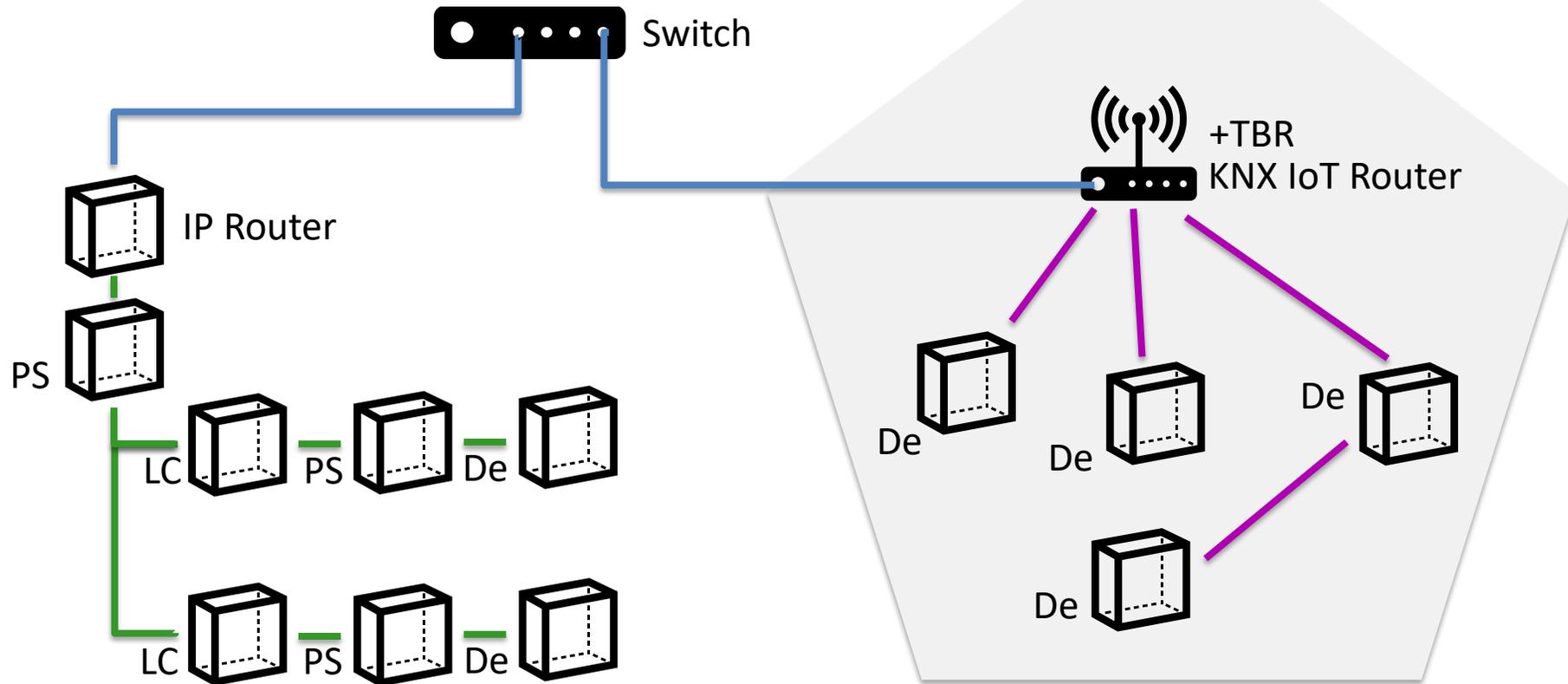
Benefit from latest System Extensions

- KNX IoT Point API
- → Sensor-Actuator-Communication
- Native IPv6 (comp. KNXnet/IP over IPv4)
 - Can be Thread, Wifi, Ethernet, Single Pair Ethernet
- KNX IoT is Secure: OSCORE End-to-End Encryption 
- KNX IoT is fully interoperable to KNX TP, KNX RF and KNXnet/IP
- KNX IoT is commissioned with ETS6



Benefit from latest System Extensions

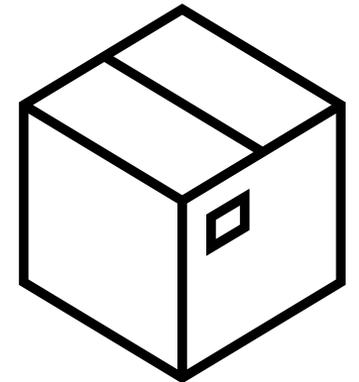
- Extension of a KNX TP Installation





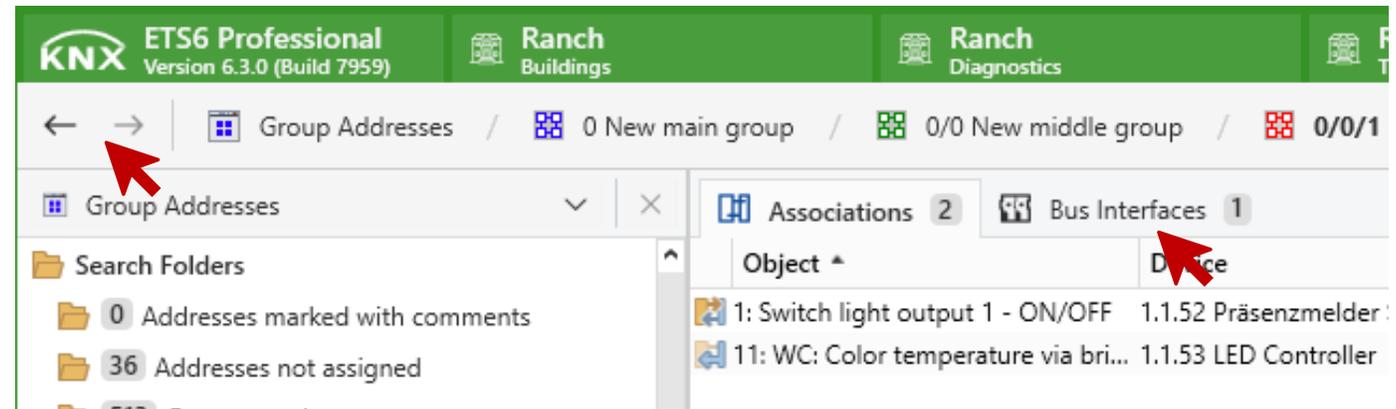
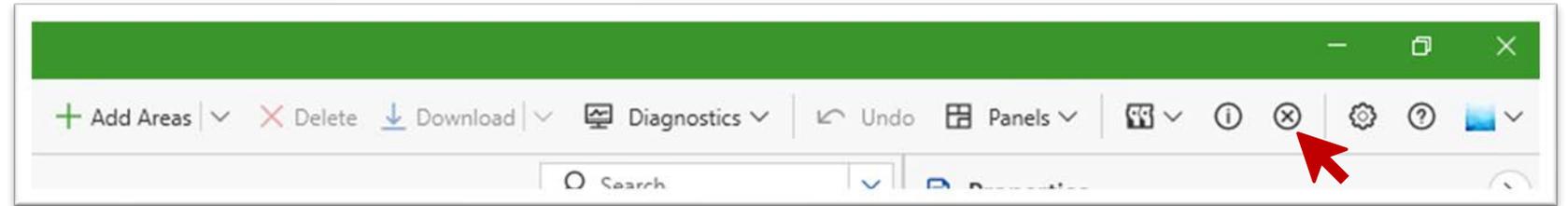
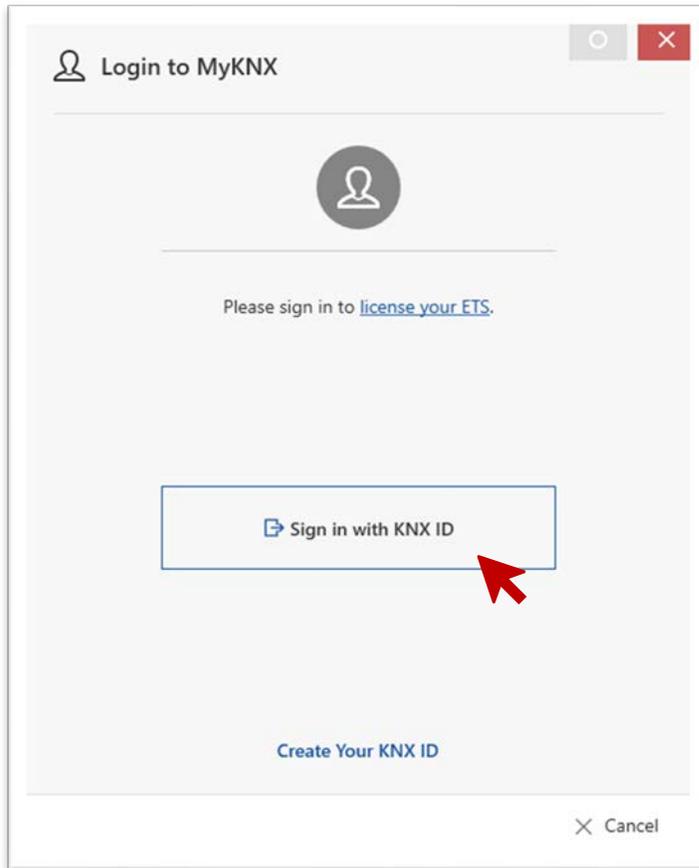
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Changes in ETS6.3



Changes in ETS6.3

2 Local Projects →

- Siemens IOT and ISE devices: Password=a | 10
Modified: 28.11.2024 15:02:37
Add Tags
- a Demo | 11
Modified: 29.11.2024 12:37:54
Add Tags

49 Archived Projects →

Data Storage

Convert ETS5 Archive Project(s)...

Number of automatically retained project versions: 10

Collaboration mode

Optimize Archive

Linked Folders + Add Link

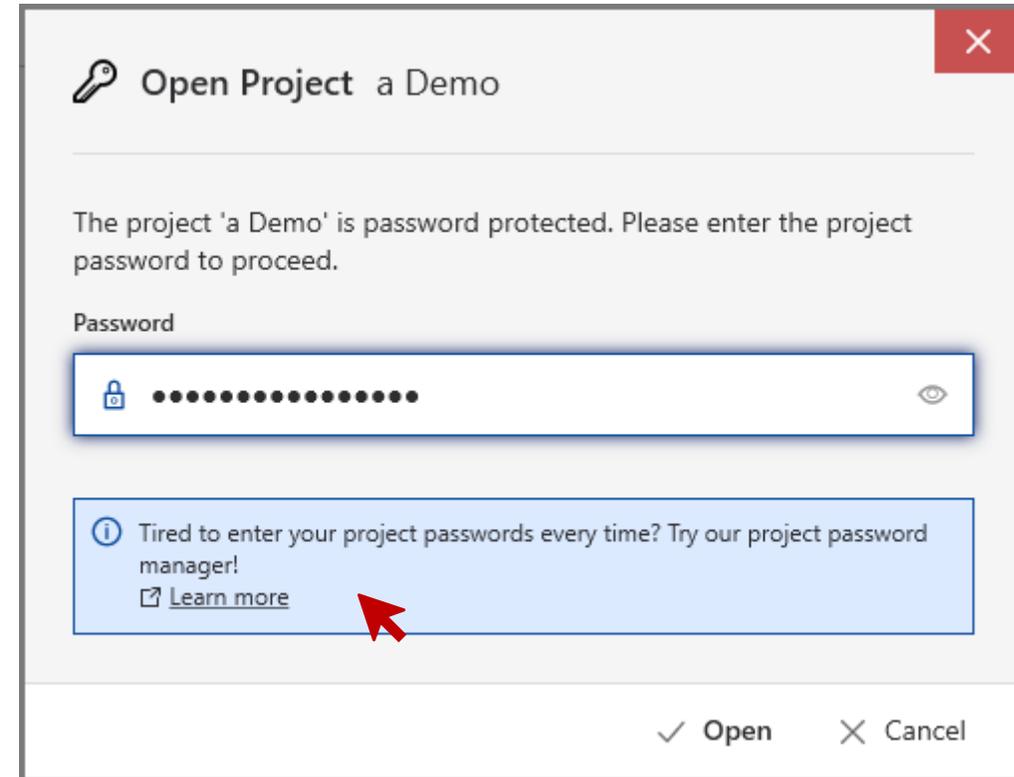
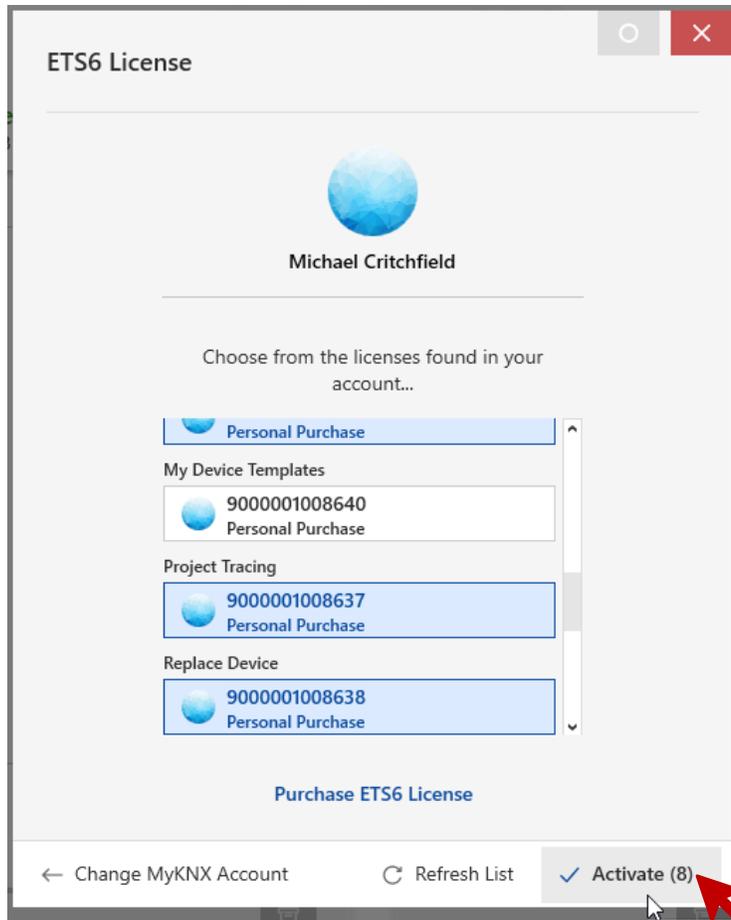
- ETS6-Archive-Collab-LB24
- ProjectArchive

Project Access

Tired to enter your project passwords every time? Try our project password manager!
[Learn more](#)



Changes in ETS6.3



Changes in ETS6.3

Se	Number	Name	Object Function	Linked with	Group Addresses	Length	Data Type	Priority
0		input A, CH1 switching	channel A, CH1 object 1	a Room > Ceiling Light > Switching	0/0/6, 0/1/24	1 bit	switch	Low
2		output A, CH1 status	channel A, CH1 object 3	a Room > Ceiling Light > Status	0/0/7	1 bit	switch	Low
9		input B, CH2 switching	channel B, CH2 object 1	Main Bldg GF Room01 Ceiling Light A Switch OnOff	0/0/8, 0/1/24	1 bit	switch	Low
11		output B, CH2 status	channel B, CH2 object 3	Main Bldg GF Room01 Ceiling Light A Switch OnOff Status	0/0/9	1 bit	switch	Low
18		input C, CH3 switching	channel C, CH3 object 1			1 bit	switch	Low
20		output C, CH3 status	channel C, CH3 object 3			1 bit	switch	Low
27		input D, CH4 switching	channel D, CH4 object 1			1 bit	switch	Low
29		output D, CH4 status	channel D, CH4 object 3			1 bit	switch	Low

[Diagnostics](#)
Start
Stop
Clear
Open
Save
Print
Replay Teleg

Monitor
⚠ For technical reasons potentially not all RF telegrams can be recorded.

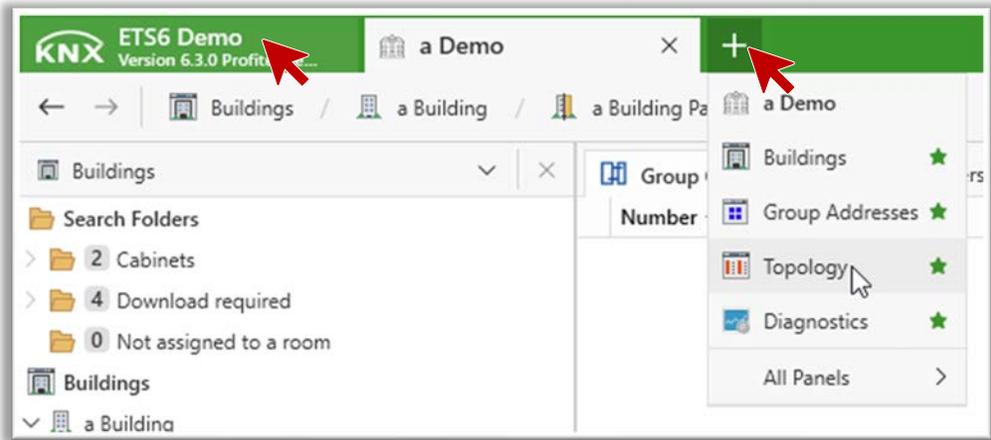
[Backup Keyring](#)

[+ Add Device Certificate](#)

[↓ Import Keyring](#)

[Delete](#)

Changes in ETS6.3



⚠️ Deprecated Feature
 Free-level group address structure is deprecated.
[Learn more](#)

Group Address Style

Two Level

Three Level

Properties

Settings | Comments | Info

⚠️ Unregistered Device
 KNX compatibility is not guaranteed.
[Learn more](#)

Name
 Fink Universal Controller

Settings

About | Presentation | Language | Licensing

	Name ^	Vendor	Version	License
	AutoBackup	IT GmbH	5.0.1593	
	Device Compare	KNX Association	6.3.7915.0	

⚠️ Deprecated Feature
 Manual manipulation of filter tables is deprecated.
 Please use bus interfaces or dummy devices instead if needed.
[Learn more](#)

Pass through Line Coupler



Changes in ETS6.3

Serial Number	Order Num	Product
	5WG1 125...	Power supply unit N 125/22 (230V
00C5:010627D4	MTN6502...	SpaceLogic KNX IP Interface DIN F
000A:A96E1C14	5033 00	Switching actuator, 6-gang / blind
00E1:039513A1	TS4FXT-SEC L&J	secure push button interface 4
000A:5E371515	230011SU	Switch actuator, 1-gang
	93528	RC-plus-next 230-KNXs-DX black
	3-0002-005	KNX RF Multi/TP media coupler
	..10921ST...	RF push-button 2-gang
	4941621	SU 1 S RF
	KNX RF Bl...	KNX RF Blue IO 552 CV secure

Settings **Comments**

Name
RC-plus-next 230-KNXs-DX black

Individual Address
1.1 . 5

Description

Last Modified 21.06.2024 18:33
Last Downloaded -
Serial Number - 

Secure Commissioning
Activated

 [Add Device Certificate](#)

+ New Project Vienna Ferris Wheel

Name
Vienna Ferris Wheel

Project Type
Leisure

Topology
 Create default topology

[Create Project](#) [Cancel](#)

Changes in ETS6.3

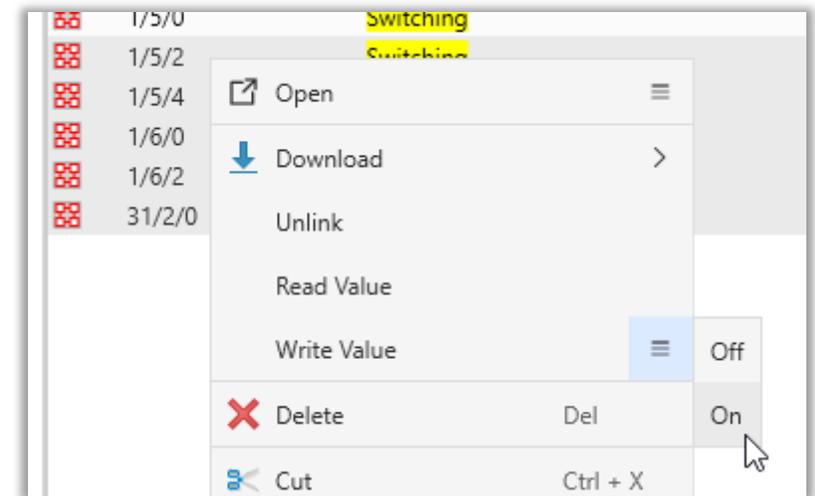
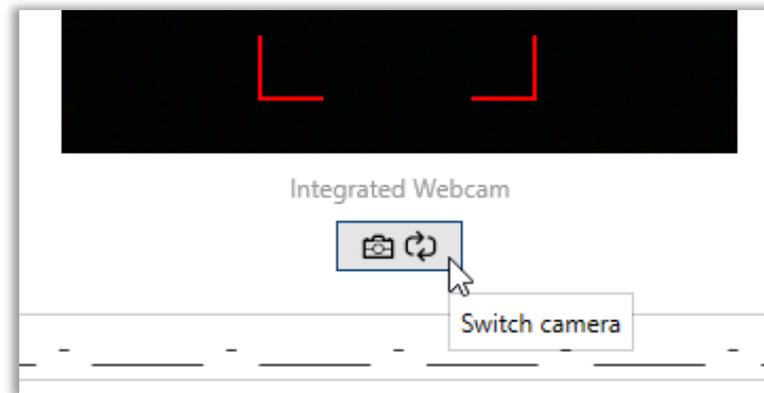
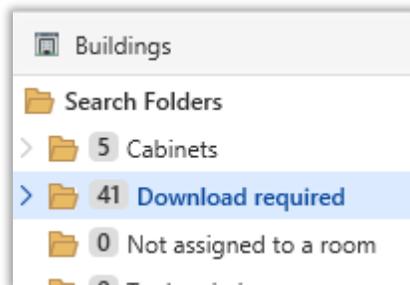
The screenshot displays the ETS6.3 software interface with several key changes highlighted by red arrows:

- Associations Panel:** A red arrow points to the 'Associations' tab, which now shows a list of associations with columns for 'Se', 'Group Address', 'Description', 'Data Type', and 'Cent'. The list includes:

Se	Group Address	Description	Data Type	Cent
0/0/1	button A object 1	switch	No	
0/0/2	LED A object 1	switch	No	
0/0/5	button C object 1	switch	No	
0/0/7	Status	switch	No	
- Group Objects Panel:** A red arrow points to the 'Group Objects' tab, which now includes a search bar and a 'Linked with' column. The list shows objects like '1.15 a Push Button' and '1.16 an Actuator' with their respective functions and linked groups.
- Properties Groups Panel:** A red arrow points to the 'Groups' panel, which now features a search bar and a refresh icon. The search results for 'light' show a tree structure with '0/1/0 Switching' highlighted.

ETS6.3: What else...?

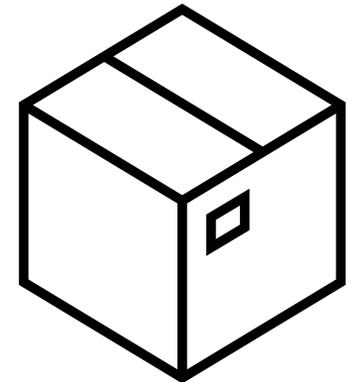
- Faster Commissioning thanks to **simultaneous writing of multiple groups** to the bus
- Performance Improvements in Archives and in Projects
- Use of **external webcams** for KNX Secure FDSK scans
- Improved support for **KNX IoT Point API** devices
- Use **Search Folders** (e.g. for Download Recommendations)
- **....and so much more!**





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Cyber Security: Port 3671

- Opening Network Port 3671 is a bad idea!
- Thousands of Networks have this Port open
 - **Why?** Free remote access to KNX Installations
 - Analysis shows, many would support KNX Secure
- KNX Association recommends...
 - Close Ports, use Secure Remote Access Gateways
 - Activate KNX Secure (Data Secure und IP Secure)
 - Set up VPNs
 - Set BCU Keys and make use of Programming Locks

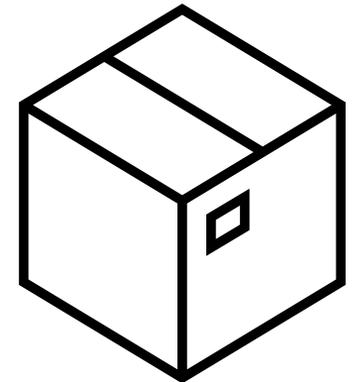
Online Tool to check own Network:





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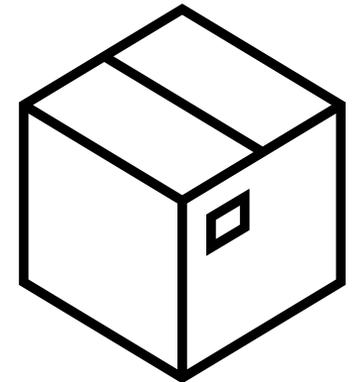
Future of KNX

- Prevent Loss of Projects
- Empower Owners: Access Roles
- Build long-lasting Relationships based on Trust and Confidence
- Add new Platforms, allow new Personas and promote modern Workflows: API
- Raise Efficiency: Product and Project Semantics



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Takeaways

Only in ETS6:

- Full KNX Secure Support (e.g. Security Proxy)
- Simpler Topology (e.g. Segment Coupler)
- Detailed Project comparison and Version tracking
- Integrates KNX RF Multi and KNX IoT Devices



ETS6 SPECIAL DEAL
ROADSHOW

30% OFF
ETS6 IN MAY

+1 FREE
ETS App

- ETS Professional
- ETS Home
- ETS Lite
- New or Upgrade

Takeaways

Be informed:

- Release Notes: [ETS v6.3.0 – KNX Association](#)
- Known Issues: [Known issues – KNX Association](#)
- YouTube: [KNX Association – YouTube](#)

Need support? Contact us:

- [Submit a request – KNX Association](#)



Thanks.

Michael Critchfield
ETS Product Manager

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For general questions:
info@knx.org – www.knx.org



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