IAITAM ACE 2025

ITAM - Another Brick In The Wall

Solving modern & complex business problems with HCL Software BigFix

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O ITAM - ANOTHER BRICK IN THE WALL















- 1. Managing embedded software
- 2. Systematically identifying and eradicating unwanted software
- 3. Mastering software licensing control in secure, classified networks
- 4. Summary
- 5. Questions











Embedded systems are specialized computer systems designed to perform specific tasks within larger devices.

Examples:

- 1. Home Appliances: Washing machines, microwaves.
- 2. Automotive Systems: Airbag control, engine management systems.
- **3. Industrial Equipment**: PLCs (programmable logic controllers), robotics.

Connected Cars Interchange of Data

4. Medical Devices: Pacemakers, infusion pumps





Internet of Things (IoT) devices are physical objects embedded with sensors, software, and connectivity, enabling them to collect, share, and act on data over the internet.

Examples:

- **1. Smart Home Devices**: Smart thermostats, smart bulbs.
- 2. Wearables: Fitness trackers, smartwatches.
- 3. Industrial IoT: Smart factories, predictive maintenance systems
- **4. Connected Cars**: Real-time navigation, vehicle diagnostics







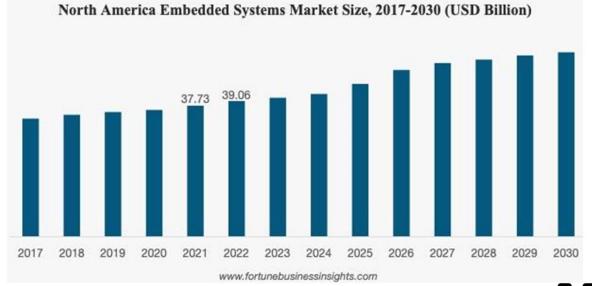


The global embedded systems market was valued at USD 110 billion in

2024 and is estimated to grow at 6.4% CAGR from 2025 to 2034. The rise in the automobile sector is one of the key factors across the globe

that fuels the market.











1.3 Managing embedded software – the business problem

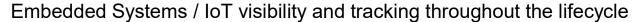
Problem Definition

What is the problem?

Why is it a problem?

Who is this a problem for?

Cost/Risk of not solving it?



Accurate tracking of embedded software across the product lifecycle is needed, but current tools like Excel cause fragmented data, limited access, poor analysis, hindering development & efficiency

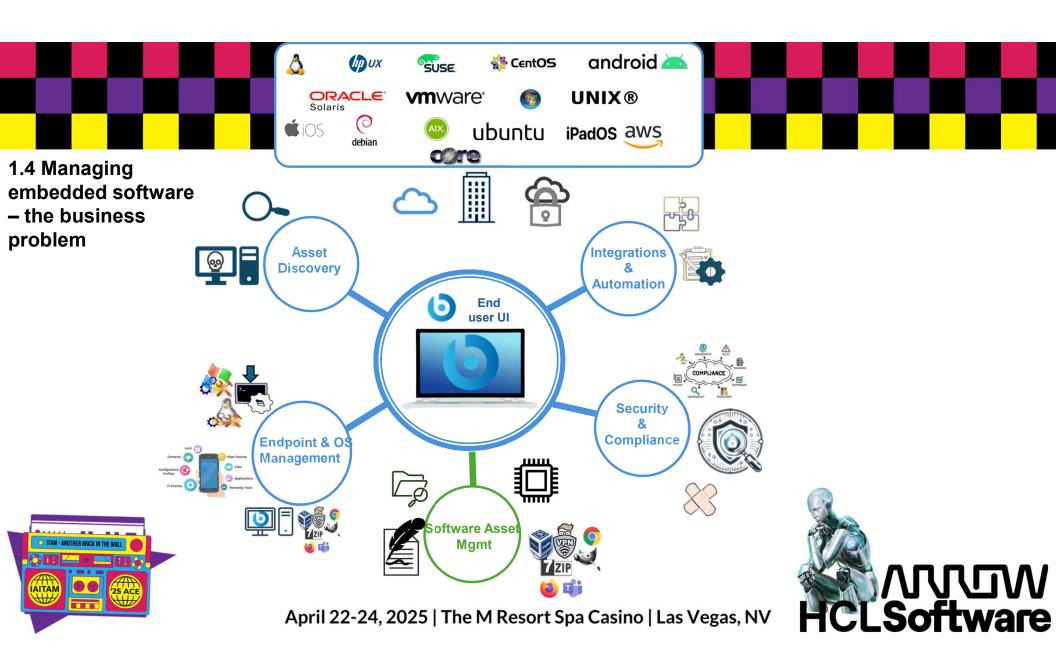
The project team building the embedded system are not likely to remain, meaning that issues, opportunities and efficiencies are dependent on access to high calibre people, not process

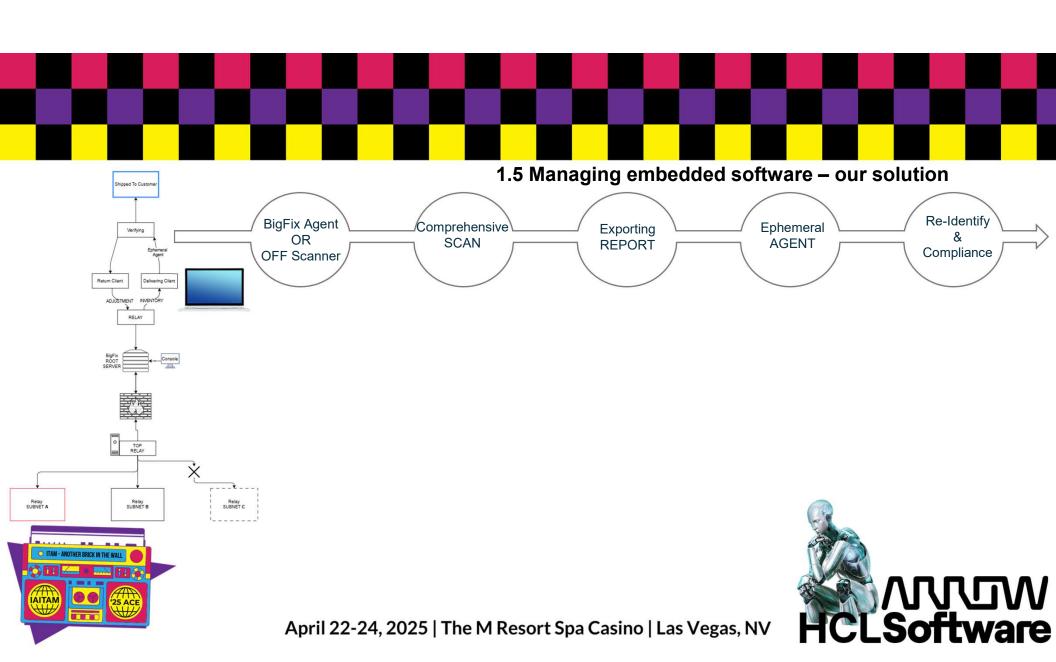
Existing embedded project teams, new project teams, product owners, cost estimators, purchasing teams and strategists

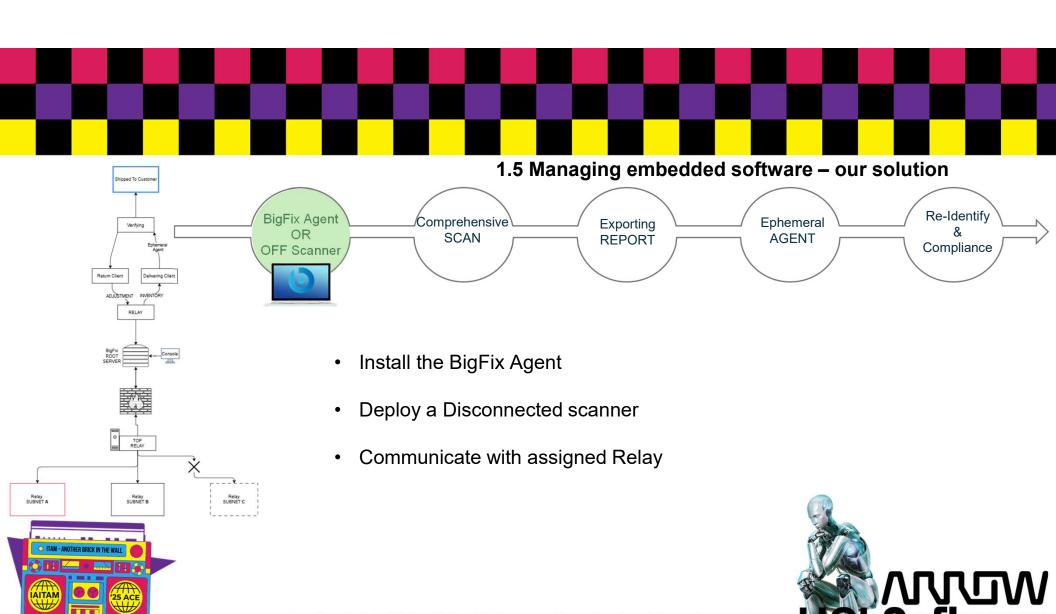
No added efficiencies over time and projects. Cost of repeated manual and therefore error prone actions. Risk to the service of existing customers, meaning risk to future revenue.



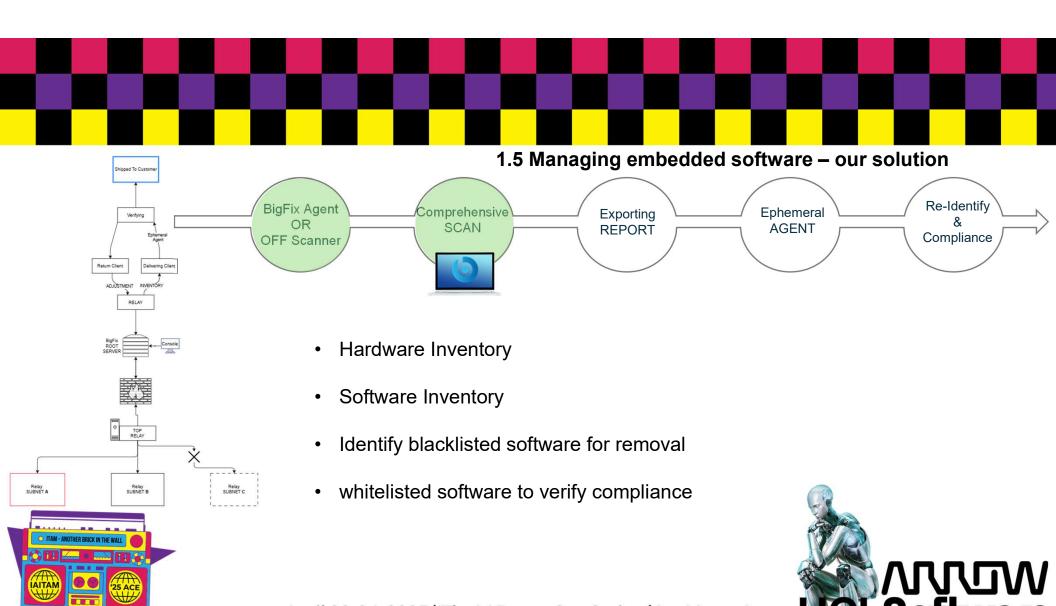


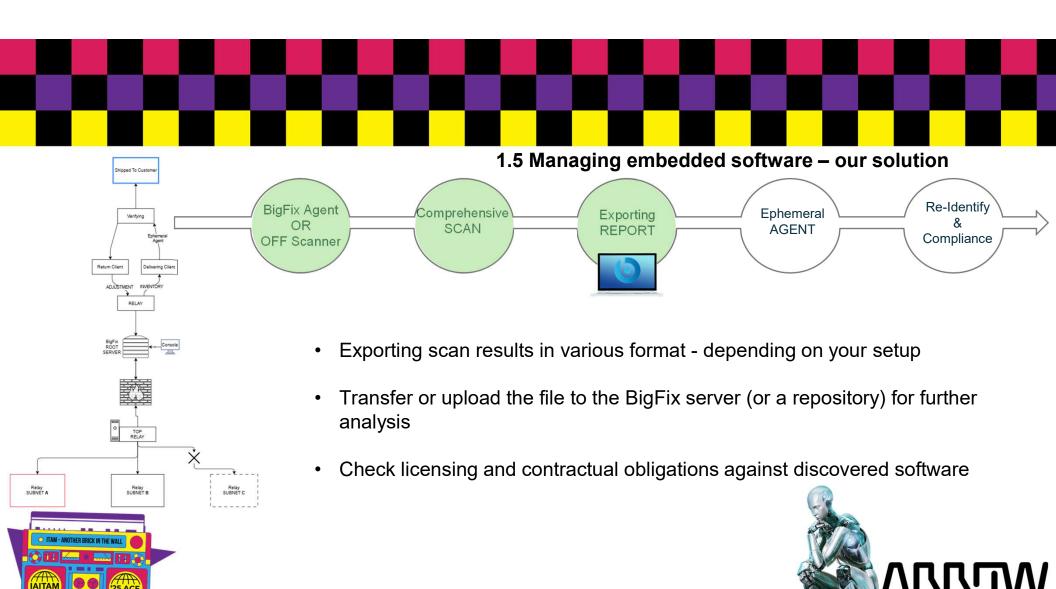


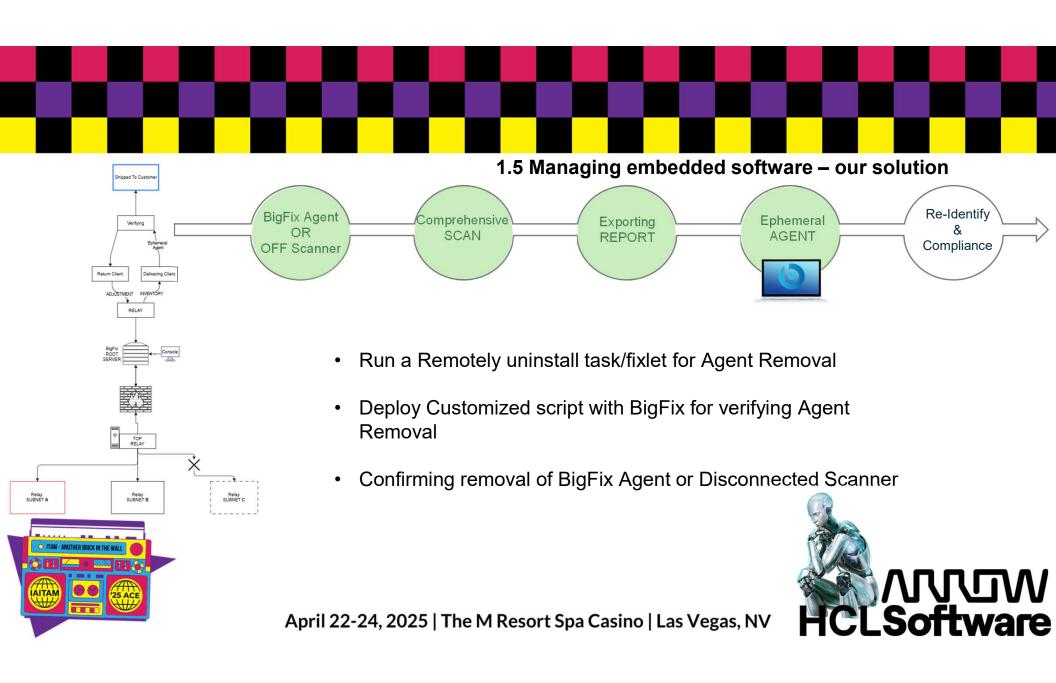


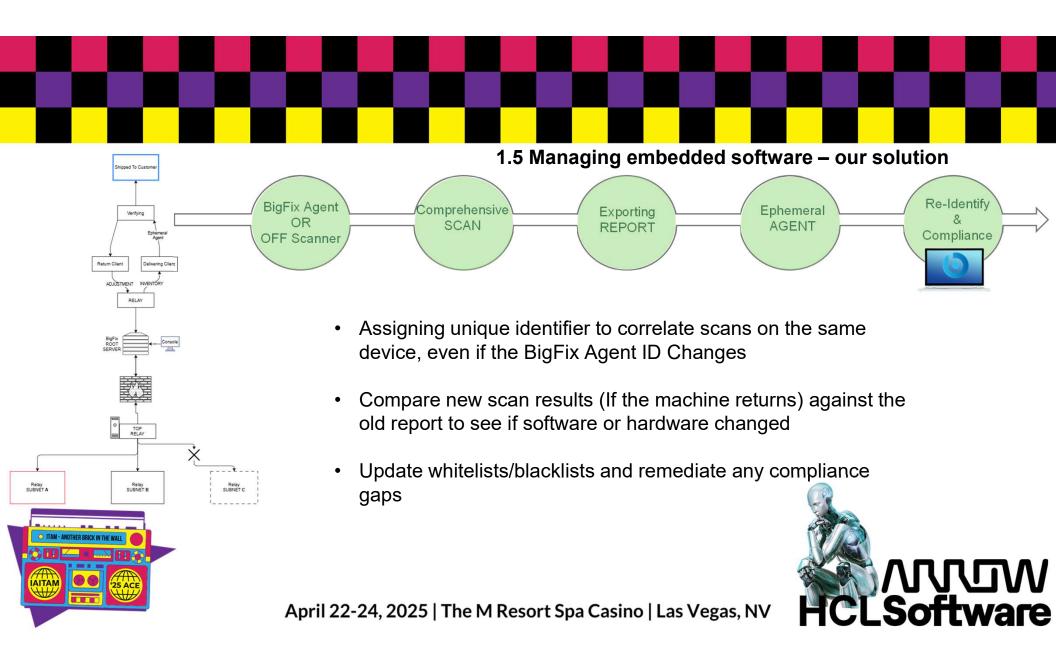














2.0 Systematically identifying and eradicating unwanted software – the business problem

New licensing terms

Changes in Strategy

Cost Cutting Enforced

Vendor/Reseller/Dist

M&A and Divestitures

Misc Reasons



Why do we have unwanted software?



Installation Errors

'Feudal Lord Syndrome'

'Not my responsibility'

M&A and Divestitures

Poor Processes /
Discipline

Misc Reasons





2.1 Systematically identifying and eradicating unwanted software – understood but why should we care?

discovered large batches of unused software licenses as in continues to hunt for bepartment of Labor.

ELON MUSK S Department of discovering and the General Services of the learn work of unused software licenses as it continues to hunt for labor.

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Perspectives

Cost savings and brand protection from software asset management

How to avoid the software sinkhole

To say companies are overspending on software would be an understatement. According to Gartner, software licensing and maintenance activities comprise close to 22 percent of the IT budget for many companies. The latest numbers indicate the software industry will generate \$380 billion in 2018. At the same time, many enterprises lack a clear view of their software assets—they don't know how many licenses they own, and they don't know how or where they've deployed the software they've paid for.











Save for later

In software asset assessments recently performed by Deloitte, companies had unrealized cost savings totaling 25 percent of their annual maintenance spend. Put another way, effectively managing software can save serious cash. So what can your organization do to use software asset management (SAM) to help your bottom line and protect your brand?







Problem Definition

What is the problem?

Why is it a problem?

Who is this a problem for?

Cost/Risk of not solving it?

Systematically identifying and eradicating unwanted software

Accurately identify, remove and ensure unwanted software and they remain removed

Once identified as unwanted (for whatever reason) it must be removed, as not doing so, will incur costs, increase risk and potentially impacts the business bottom line and/or reputation

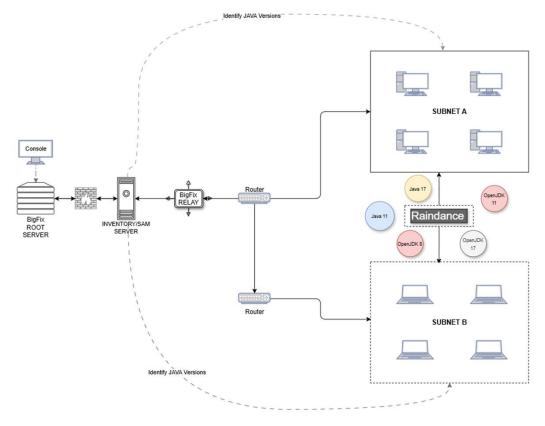
All roles concerned with risks, costs, operations and the reputation of the entity exposed

Enormous: One of the reasons why SAM, HAM, FinOps and SAM tools etc exist!





2.3 Systematically identifying and eradicating unwanted software - How we solved the business problem





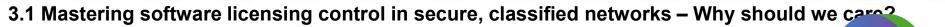


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networks?





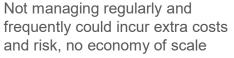
Data Black Holes

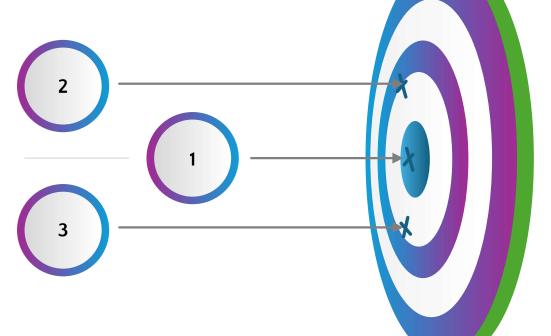
The data remains hidden & attempts to extract are usually met with suspiciocosts

> Not managing regularly and frequently could incur extra costs

Lack of Standards

Parts of the estate will have very little/nothing in common with the others







NTUTWHCLSoftware



3.2 Mastering software licensing control in secure, classified networks – the business problem

Problem Definition

What is the problem?

Why is it a problem?

Who is this a problem for?

Cost/Risk of not solving it?

Licensing control in secure, classified networks

Accurate tracking of software for licensing purposes across the full lifecycle in totally disconnected network(s)

The disconnected nature makes regular export and import of data a semi-manual process for a subset of the data, with errors and dependencies on human intervention

Anyone outside the specific disconnected network(s) needing to include or share the data in a greater context, an audit for example

Manual or semi-manual processes to get data in and out of the discounted network is inefficient and error prone, and usually simply avoided

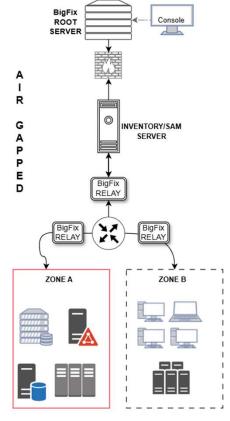




3.3 Mastering software licensing control in secure, classified networks – the business

problem











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4. Summary



EMBEDDED

Embedded Systems / IoT visibility and tracking throughout the lifecycle. PoC with Parter & Customer Learnings

- 1 Support for Innovation
- 2 Partner Alignment
- 3 Right Tech is Essential



UNWANTED

Systematically identifying and eradicating unwanted software. No Zombie Software left and expand the process across the estate

- 1 Right starting point
- 2 Use Tech strengths
- 3 Cash, just hard Cash



NETWORKED

Licensing control in secure, classified networks. Where it exists it's normally a tricky problem to resolve to the organisation's satisfaction

- 1 Understand the problem
- 2 Fix ONLY the problem
- 3 Working well, not fancy



5. Questions, We have.....questions





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References and inspiration to the presentation

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