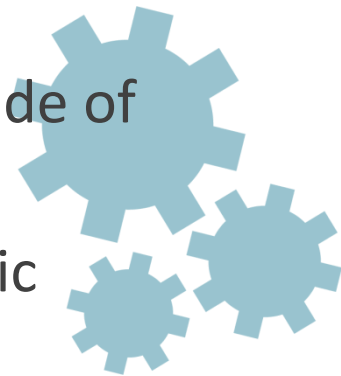


Maintaining Tivoli Workload Scheduler Agents with IBM Endpoint Manager

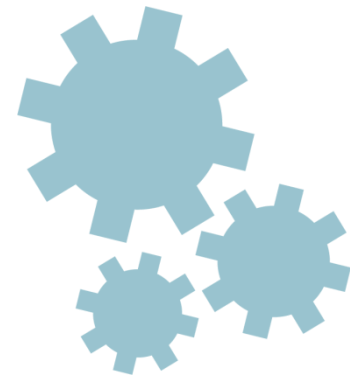
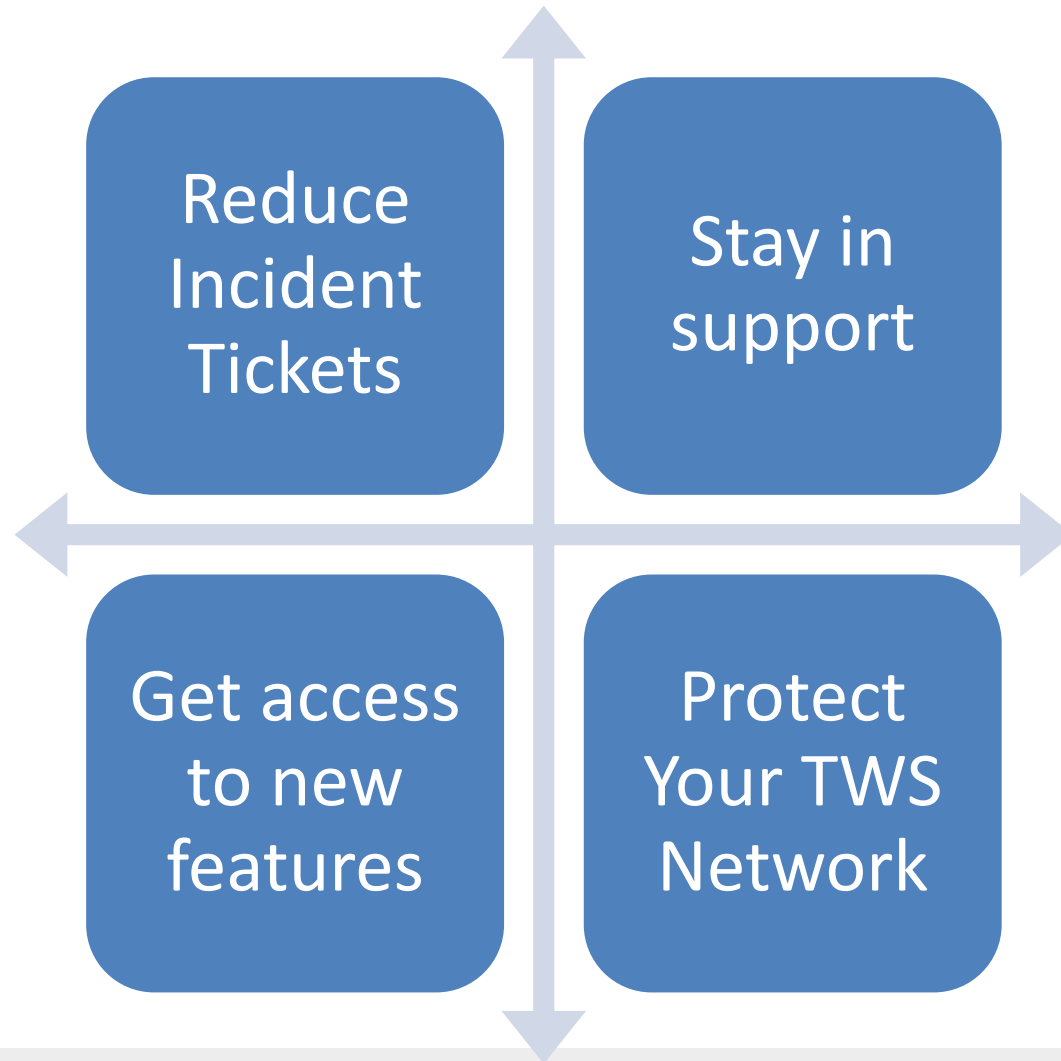
Mark Delaney
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Typical Scenarios

- Many different versions of TWS agents and patch levels in your estate
- New TWS agents are being added all of the time
- End of support for a TWS version requires you to audit and upgrade to meet compliance
- Maintenance slots are difficult to predict as an agent could be running work at any time
- TWS versions go out of support every 12 months
- root/administrator access required for patch or upgrade of TWS agents is often difficult to obtain
- Transfer of TWS software to agents can be problematic



Why Upgrade Your TWS Agents?



The Goals

- A proven, default TWS agent version and patch level deployed across all servers in the estate
- New TWS agents being added must adhere to the default level
- Upgrades of TWS agents must not affect running workloads
- Reduce the manual effort required to upgrade TWS agents as much as possible
- Remove any manual tasks and administrative overhead (pulling root password etc.)
- Utilise network bandwidth effectively observing company firewall restrictions

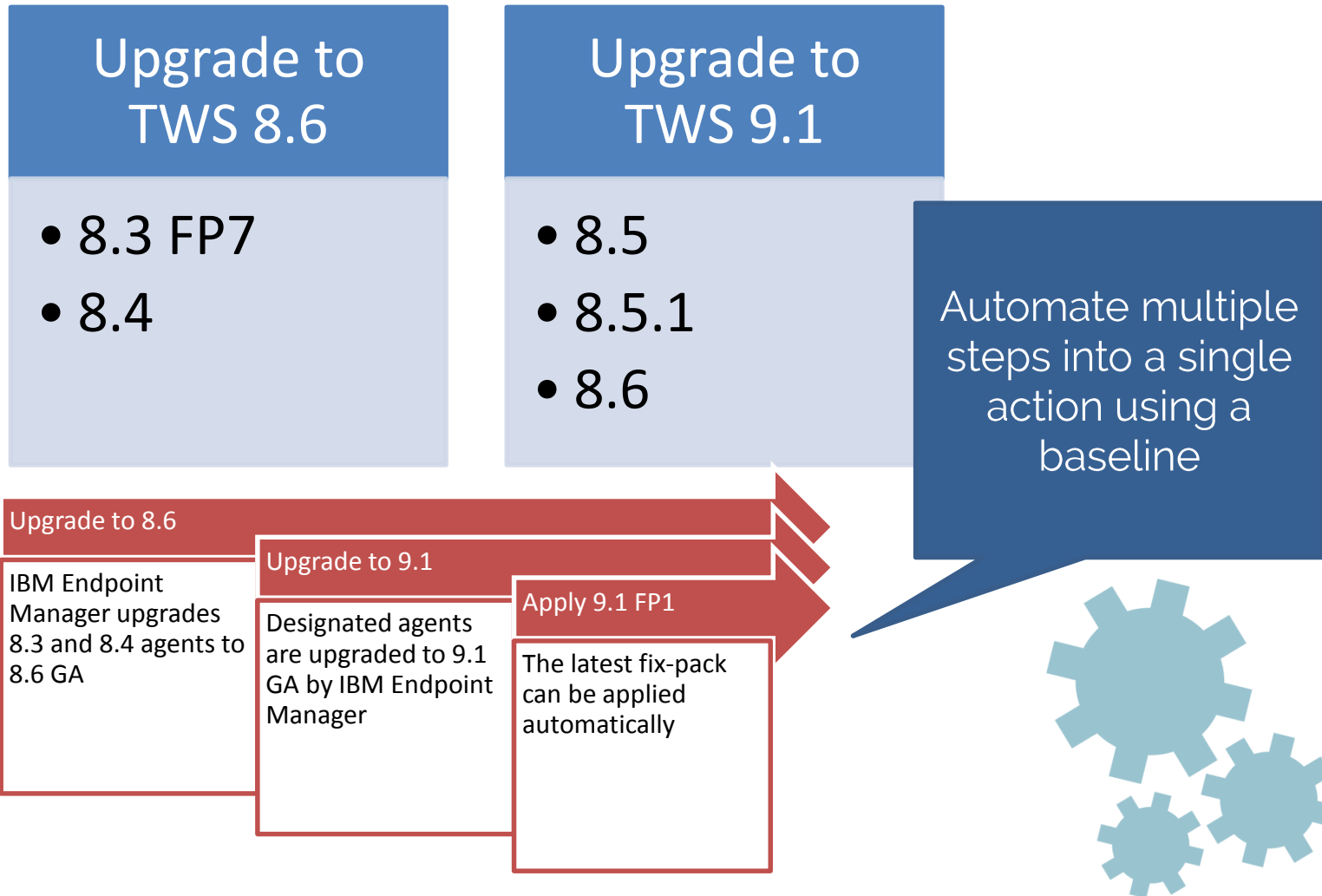


How IBM Endpoint Manager Can Help

- One-click, on-demand upgrades or patches of TWS agents
- Scheduled upgrade or patch of agents based on maintenance window, hostname, subnet, group membership, etc.
- Easily configure static or dynamic groups of agents as targets
- Upgrade, patch or rollback to FTAs, DAs, or z/OS Agents
- Perform multiple actions in one click using a baseline (e.g. upgrade TWS 8.3 -> TWS 8.6 -> TWS 9.1 -> TWS 9.1 FP1)
- New TWS agents can be upgraded to meet the baseline automatically
- Intelligently upgrades around an agent's workload (e.g. "You're busy running jobs, I'll come back later")
- IEM agent takes care of the upgrade. No manual logging into agent is required



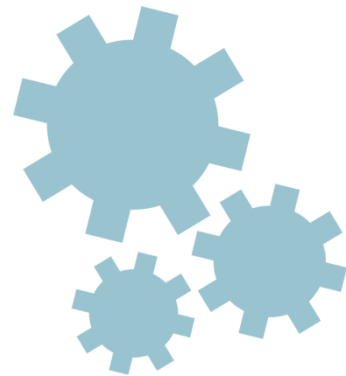
TWS Agent Upgrade Paths



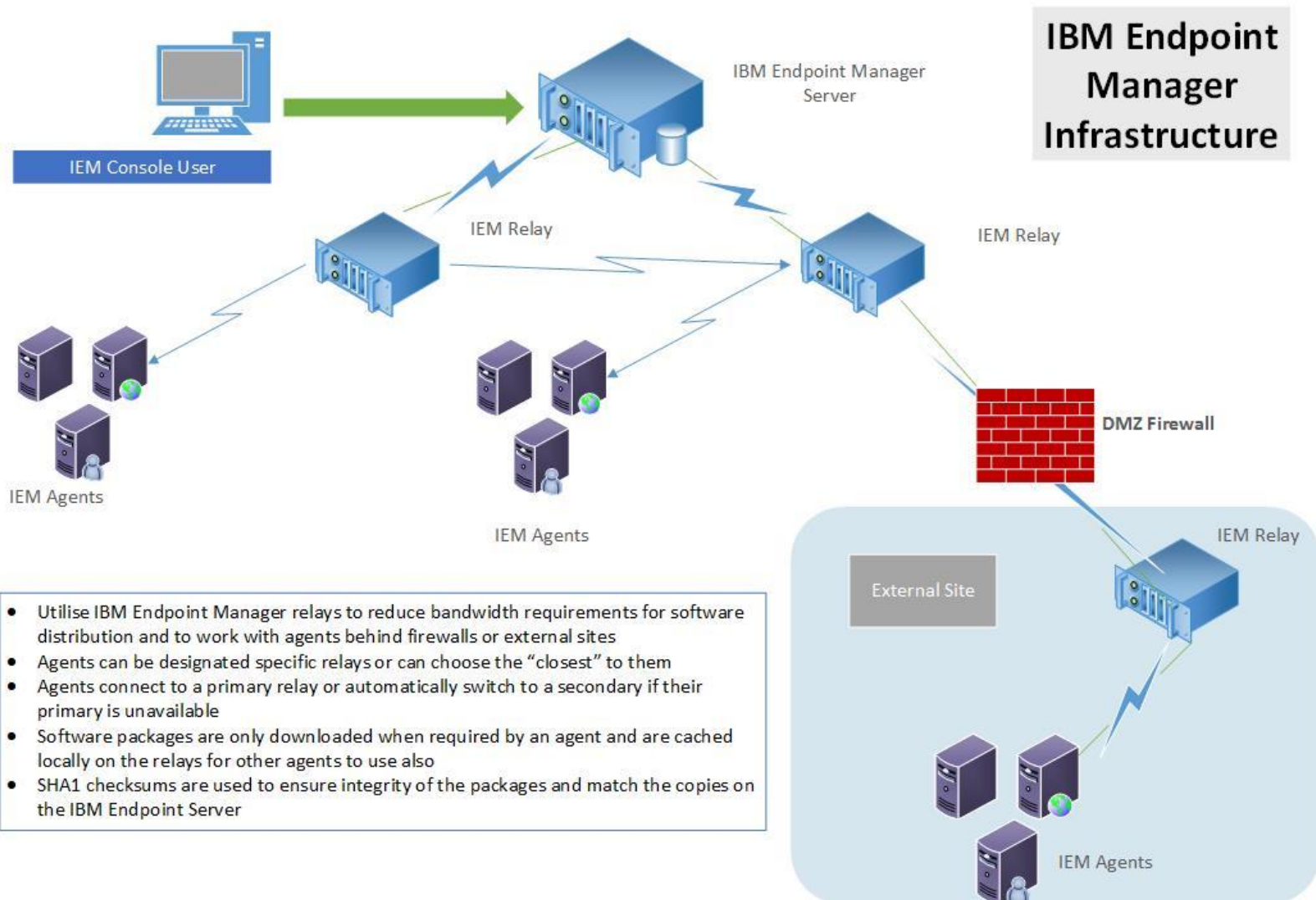
How The Upgrade Process Works



- Deploy the IBM Endpoint Manager agent to the TWS servers using remote deploy or a manual installation
- IBM Endpoint Manager analyses run continually on IEM agents to evaluate TWS version and patch levels on all known servers
- Run an action to manually upgrade or patch agents to a required version or level
- Alternatively, schedule the upgrades based on date/time, maintenance window, location, hostname, subnet, group membership, and so on
- Or, designate a baseline that a subset of agents must be at using a powerful set of criteria and IBM Endpoint Manager will take care of the rest



Using IBM Endpoint Manager Relays

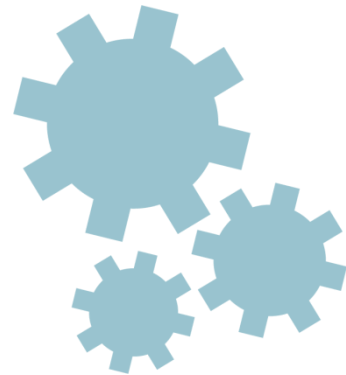


IBM Endpoint Manager Solution Key Points

- Reduce the overhead of upgrading an agent to minutes rather than hours
- Utilise IBM Endpoint Manager relays to reduce the amount of traffic and throttle bandwidth when transferring files
- Schedule unattended upgrades around the business
- Web-based reporting to show what was upgraded and when
- Covers all versions of TWS from v 8.3 and above
- Handles Fault Tolerant Agents, Dynamic Agents and z/OS agents for upgrades, patching or rollbacks
- IBM Endpoint Manager incorporates IBM Licence Metric Tool – required for Sub-Capacity Licencing



Demo



More Information

For further information, or to discuss a demonstration, contact Mark Delaney.

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