TFTS comments L How the coffee-machine took down a factories control room (self.talesfromtechsupport) submitted 2 days ago * by C10H15N1 I made a throwaway account for this because with the posts on my normal account people could easily figure out which company I work for. I'm a Chemical Engineer, who also has a degree in CS. I work for a company that has multiple petrochemical factories in Europe making chemicals. All the factories have a local control room, with multiple operators who are there to make sure the factory is doing what the computer tells its doing. All the factories are also monitored remotely from a central control room. When a	Want to join? Log in or sign up in seconds. English search this post was submitted on 22 Jul 2017 342 points (97% upvoted) shortlink: https://redd.it/6ovy0h username password
factory trips an alarm, it means that one of the sensors is reporting a value that is outside the operating window. 9 out of the 10 times, the control system will automatically solve these issues. common alarms for example are: Issue Reason Low pressure in the pipe line High pressure in the pipe line Temperature in part xxx of the factory is high/low Incoming product has a lower/higher purity Increase or Lower the flow of incoming product.	remember me reset password login
So most of the times these operators, mute the alarm, and if the situation will get worse, the alarm will go off again. If it gets better the number on the screen turns green again. Then there are issues that can not be solved automatically, for example, a valve is (partially) stuck. This is when a notification will be issued in the central control room. Almost always the operator in the local control room will call the central control room, and they will then look into the issue and solve it remotely, or inform the operator what. For example, open a manual valve, or open a bypass, switch the flow from the primary valve to the secondary valve. All those actions cannot be done remotely and an operator on factory needs to do this. I'm PLC (Programmable Logic Controllers) expert, So an alarm/notification gets routed to me when a PLC is acting up.	Share Your Tech Support Tale! TalesFromTechSupport subscribe 453,073 tireless techs
I'm also on the team that is responsible for programming our Control Room Software which interfaces with the PLC's. Our central control room looks kinda like the NASA launch control room. We are in a room that kinda looks like a cinema, except that it's round. So on one side of the room is a massive screen. Where all incoming information is displayed. And where we can pull up schematics of the factories. So, for example, we get a notification that a pump is at max capacity, but its throughput is dropping. So one of my colleges who is a Mechanical engineer will start looking at the schematics and the data we have on that factory. He makes an estimated guess that the engine on that pump is failing, and will look for a way to temporary solve it. Luckily there is a bypass valve which will bypass the pump but will put more strain on other pumps. The local operator gets told to open the bypass valve while in coordination we will remotely start shutting down that pump. So know that you have some background information, I'll start.	> FILTER POSTS BY LENGTH < All Short Medium Long Epic None > WELCOME TO TFTS! < Hi, Everybody! TFTS is where we post our amazing Tales From Tech Support, including but not limited
It's about a month ago, it's an easy and relaxing day. No major issues, the latest version of our control system is being internally validated, and so far no issues have been found. Cue in an incoming call from an operator, who is in a high state of panic. Something hit the local control system and all the computers are down and showing an error. We try to calm the operator down, we'll remotely keep monitoring the factory and inform him that everything is alright, the factory is running without issues and it's just the monitoring part that has crashed. As I'm part of the team working on the monitoring software I'll take over the call, while my college will keep monitoring the situation. I asked operator what was happening on his screens, and he starts describing something that sounds very similar to an infamous ransomware attack. Which is problematic, because the computers running the	to: Incredible Feats of Networking Heroics; Tech Troubleshooting Under the Direst of Circumstances; Unsolvable Problems Cracked by Sheer Genius and/or Pure Luck; Moral Support after Having Dealt with Difficult Clients; And of course, Stupid User Stories! There's a bit of a lull in the queue just now, so kick back, grab a cold one from the secret tech
monitoring software are not connected to the internet. Yes, those machines run a no longer up to date copy of windows XP, which is not my choice but because of local law. We cannot update the monitoring software on those machines because it's then no longer validated by local government. We cannot update those machines because as soon as we update them, monitoring software crashes due to a race condition that is not in the older version of the operating system. Local government can only validate the new version of monitoring software when the factory is down, and the factory is normally only down when all our clients are down. All our clients are normally only down when all the factories are having their planned big maintenance stop. Which is normally once every 5 years. So because of this stupid bureaucracy, we cannot update those computers, and because of that they are not connected to the internet, and also have no accessible USB ports. They are only on an Internal network which can	fridge behind the server rack, and share your best tales among friends here at TFTS! > TELL US YOUR TALE! < Rule Ø: Your post must be a written story about tech support. Please do your best to make it interesting, readable and concise. ≈ POSTING GUIDELINES ≈ i. Anonymize your info, both personal and/or company. This is a Reddit rule. ii. Keep your posts & comments SFW.
reach the PLC's. So I tell the operator to pull the power plug on the computers powering the monitoring system, and then power them back on, and press the key combination to start reinstalling from a network image. The important thing here is, that no computers that are infected are connected to the internal network. So they don't instantly get infected again after reimaging. Everything is going well, all the computers are re-imaged and the monitoring system is back up and running. I'm about to close this case when one by one they start getting infected again. Which should be impossible, because the PLC's cannot be infected by this malware, and the monitoring system consists of 4 computers and he re-imaged them all. So at this point, the operator mentions that he could really use some coffee. So I tell him it's ok for him to get some	Derogatory, abusive or bigoted language will be also removed. iii. No posts that ask a question or solicit information (e.g. tech tips, industry advice, "What's your story?", "Does anyone else?" etc.) iv. No image links unless they are ONLY providing additional context to your written tale. v. No standalone links to other sites or subreddits. See our List of Essential
coffee while I try to figure out why these computers keep getting reinfected. Only then he tells me, he wasn't able to get coffee, because all the coffee machines were showing the same ransomware attack message. So long story short, the coffee machines are supposed to be connected to their own isolated WiFi network, however, the person installing the coffee machine connected the machine to the Internal control room network, and then when he didn't get internet access remembered to also connect it to the isolated WiFi network. The operator contacted us about his monitoring system not working but forgot to mention the Coffee Machines were showing the same error. The external company responsible for managing our coffee machine got an angrily worded letter for getting all those machines infected, and all their clients were without working coffee machines for a couple of days. As a closing note: Nobody was ever in any Danger, even if all the monitoring systems crash the PLC's will keep running the factory fine, or in the worst case gracefully shut down the factory. If for some reason the PLC's stopped	vi. No customer complaint posts. This includes "The Incompetent ISP" and "LOL My Teacher Is Dumb." vii. No pranking or hacking tales. Tech support is about helping people, not messing with them. Rule ∞: Don't be a jerk. Just don't. We get enough jerks at work. If you can't participate without being one, we don't want you here. In particular, Reddit Truth Police will be
responding there is a PLC that is not networked, which has only 1 job, and that is to monitor the PLC's to make sure they are working, and do an emergency stop if they stop working. 93 comments sorted by: best [-] Rampage_Rick 187 points 1 day ago Bridging an air-gapped network with a coffee machine. I'd have to say that's a new one for me permalink embed report	 banned without warning. That will happen. MODERATION INFO Posts and comments that do not meet these guidelines may be moderated. Visit the TFTS Wiki Page for more details about our moderation policies. Please feel free to message the moderators with any questions. COPYRIGHT POLICY
[-] MoneyTreeFiddy Mr Condescending Dickheadman 103 points 1 day ago Certainly grounds for dismissal of the tech who did it. permalink embed parent report [-] showyerbewbs 94 points 1 day ago At the very least trouble is brewing for him permalink embed parent report [-] Elevated_Misanthropy What's a flathead screwdriver? I have a yellow one. 67 points 1 day ago It could have been worse, the control software could be written in Java.	All submitted content remains the exclusive property of the original author. You may not republish any content without permission from the author. This includes "fixing" OP's formatting in a comment. A polite Markdown tip is preferred. You must properly credit any content that is not originally yours. > SPAM FILTER ALERT <
[-] squidfood 45 points 1 day ago It's ok if you have a decent filter. permalink embed parent report [-] Hewlett-PackHard 5 points 7 hours ago Nah, too much trouble, just throw in another K-cup. permalink embed parent report [-] ZombieLHKWoof Iswear I rebooted it! 5 points 5 hours ago We got some trouble peculating right there!	If your post does not appear, or vanishes after posting, it may have been flagged by Ye Olde Spamme Fyltre. Do not repost the same thing again, that just makes it angrier. Send the mods a quick message instead. You may also review our lists of Things That Aren't Tech Support and Officially Retired Topics, just in case it wasn't the spam filter after all > SISTER SUBREDDITS <
permalink embed parent report [-] blckpythn Why is flair? 2 points 1 hour ago I don't know I've seen a few machines get roasted all the same. permalink embed parent report [-] loonatic112358 Making an escape to be the customer 16 points 1 day ago He should be filtered out of the company, that drip permalink embed parent report [-] fishbaitx stares at printer: bring the fire exstinguisher it did it again! 14 points 1 day ago	/r/TechSupport /r/ComputerTechs /r/TechSupportGore /r/TechSupportAnimals /r/IIIIIITTTTTTTTTT More Sister Subreddits > TALE SUBREDDITS < /r/TalesFromRetail /r/TalesFromYourServer /r/TalesFromThePizzaGuy
i forsee a dark future for him him may have a chance he may be able to get sugar from a certain cream if him be willing to take on the name mocha. permalink embed parent report [-] OldPolishProverb 4 points 23 hours ago That was a pretty fine grind, but it did make me perk up. permalink embed parent report [-] fishbaitx stares at printer: bring the fire exstinguisher it did it again! 3 points 21 hours ago i deem you french now press on.	> THE BEST OF TFTS < TFTS Top Submitters TFTS Top Tales - May 2017 TFTS Top Tales - June 2017 The Compleat Best Of TFTS > TFTS ESSENTIAL LINKS < The BOFH Xereeto's TFTS Placebo Panel TronScript's Malware Manglement
[-] OldPolishProverb 3 points 21 hours ago I see you are well steeped in the ways of the barista. Carry on old bean! permalink embed parent report [-] fishbaitx stares at printer: bring the fire exstinguisher it did it again! 3 points 20 hours ago i am off to seek the treasure of chemex! may this journey be fueled by espresso! permalink embed parent report [-] OldPolishProverb 2 points 15 hours ago I wish you well on your journey. If you go sailing, beware the siren call of the trickster, decaf of orange. Her	Gambatte's Encyclopædia Moronica More TFTS Essential Links > BYE EVERYBODY! < created by MagicBigfoot xyzzy a community for 6 years
song has sanka many a traveler. permalink embed parent report [-] Dougslittlethrowaway 13 points 1 day ago grounds I see what you did there permalink embed parent report [-] Effroyablemat 6 points 1 day ago If hes lucky he will get away with a medium roast.	
[-] C10H15N1 [S] 6 points 1 day ago Machine was installed by external company, same company that is responsible for maintaining those machines permalink embed parent report [-] Patches765 Where did my server go? 15 points 1 day ago I was reading a news story that a casino got compromised via a fish tank. Seriously a fish tank. permalink embed parent report [-] Liquid_Hate_Train I play those override buttons like a maestro plays a Steinway 7 points 4 hours ago	Moderators MagicBigfoot xyzzy NotTheRealBender Zzzzap! about moderation team > discussions in r/talesfromtechsupport X 339 · 46 comments The Ouroboros Installation
Why on earth would you have a networked fish tank!? permalink embed parent report [-] LiquidFenrir 1 point 2 minutes ago Control temp, acidity, saltinessremotely? Idk, could probably be useful for at least one guy out there permalink embed parent report [-] Patches765 Where did my server go? 1 point just now Remotely feed fish and stuff. Yah, was a bit surprised by that myself. permalink embed parent report [-] capn_kwick 10 points 1 day ago	
In concept it is the same thing that enabled the attack on the Target systems. Insecure HVAC system was connected to both the internet and internal network. permalink embed parent report [-] OldPolishProverb 3 points 22 hours ago* I believe that the Coke Freestyle machines that allow you to mix flavors together also are internet enabled. Besides machine status it is also sending sales and marketing information. permalink embed parent report [-] FnordMan 4 points 19 hours ago Yup, had a chat with a \$fast_food manger once that was changing a cartridge out. He removed the old one, scanned	
it's RFID tag, scanned the new one then inserted it and let the machine do it's priming thing. I asked and he did mention it was hooked to the internet and orders up replacements. (I forget if it was it's own cellular connection or \$fast_food's wifi) permalink embed parent report [-] Deyln 2 points 9 hours ago First case of a real reported incident for me. There's been some talk of how some IOT type machines would end up doing this but everybody claims that the natural security that is internal networks would prevent this permalink embed parent report	
[-] ageekatwork 65 points 1 day ago I was expecting someone to have unplugged the important stuff for the coffee machine, but nope. This is a good example of why not everything needs to be connected to the internet. permalink embed report [-] linus140 One can never have too many backups 27 points 1 day ago I didn't even know they made coffee machines that connect to networks. TIL permalink embed parent report	
Their being connected to networks has actually been an important part of the development of the internet. permalink embed parent report [-] Ankoku_Teion 4 points 1 day ago probably in more ways than one permalink embed parent report [-] linus140 One can never have too many backups 5 points 1 day ago That's not the connected I was thinking of though.	
[-] C10H15N1 [S] 14 points 1 day ago these coffee machines are being rented and maintained by the coffee company. The coffee machine phones home and tells how many coffees have been brewed when certain parts need maintenance or replacing. So depending on how many employees use a machine, depends on how often it gets refilled and cleaned. Busy machines get a daily top up and cleaning, while the least busy ones only get check every 3rd workday. It's really good coffee, though I would have liked it if the installer followed the instructions, and didn't plug in a network cable. permalink embed parent report	
That That's actually pretty nifty. And now I must make coffee because coffee is good plus we're all talking about coffee. sips on coffee permalink embed parent report [-] zanfar 10 points 1 day ago While they do make traditional coffee machines with "IOT" functionality, IMO, in this story, the "coffee machine" is a vending machine. Most vending machines now have connectivity for remote maintenance, inventory monitoring, and payment processing. permalink embed parent report	
Yhea, It's a coffee machine the size of a vending machine. It needs the IOT functionality for billing and maintenance. The company I work for gets billed for every cup of coffee it makes, but the upside is that the coffee machines are never broken, dirty or empty. Because a coffee tech comes by every 1-3 days to clean, fill and maintain it. permalink embed parent report I need a coffee pot that connects to Wi-Fi with an app permalink embed parent report [-] zanfar 9 points 1 day ago	
My friend has that model, and he tied Sleep as Android to it with IFFT, so his coffee automatically starts brewing when he turns his alarm offregardless of the time. There are a lot of reasons to make fun of some of the IOT devices, but some actually have uses. permalink embed parent report [-] linus140 One can never have too many backups 2 points 23 hours ago I need one of these in my life. permalink embed parent report [+] [deleted] 15 hours ago (1 child) [-] NikStalwart Black belt Google-Fu 5 points 1 day ago	
I'm pretty sure someone, somewehre, has made internet-connected toilet paper There are IOT washing machines, IOT dishwashers, IOT fridgers, IOT driers, IOT lightbulbs permalink embed parent report [-] linus140 One can never have too many backups 4 points 1 day ago Toilet paper might be a stretch, the toilet however now that's another story permalink embed parent report [-] Alis451 3 points 4 hours ago Http 418: I'm a teapot	
[-] bullshit_translator Chaos magnet 28 points 1 day ago So long story short, the coffee machines are supposed to be connected to their own isolated WiFi network Wut. Why? Why the fuck would coffee machines need to be connected to the internet in a work environment!? LOL. That's a HUGE security risk just to have a coffee maker that automatically orders more filters. permalink embed report [-] MindOfSteelAndCement 25 points 1 day ago	
This is not a manual coffee machine bit oen that gets supplied by a company and makes that dreadful instant muck in the little plastic cups. The communicate with a server from the company to tell them the supplies it has and how many cups of coffee it has made. This lets the company decide when to refill it and how much to bill the company. Works the same with most office printers now. We get a new toner cartridge delivered 1-2 days before the old one runs out. permalink embed parent report [-] C10H15N1 [S] 20 points 1 day ago dreadful instant muck No "Dreadful instant muck" we get High-Quality fair trade coffee beans, with a slight rick of rancomware.	
No "Dreadful instant muck" we get High-Quality fair trade coffee beans, with a slight risk of ransomware. [to tell them the supplies it has and how many cups of coffee it has made.] Yes, you are completely right here, the coffee company sends there coffee tech once every 1 to 3 days, depending on how many coffees that machine made. permalink embed parent report [-] MindOfSteelAndCement 2 points 1 day ago I am very jelly of your well smelly coffee. permalink embed parent report [-] IanPPK 2 points 13 hours ago	
You've been struck by the internet of fails. Yup. https://youtu.be/WHdU4LutBGU https://youtu.be/h5PRvBpLuJs https://youtu.be/7QvtMhlipzs Some of my favorite conference videos on IoT issues as we go into the future. permalink embed parent report [-] posixUncompliant [sck duration record holder] 2 points 5 hours ago	
High-Quality fair trade coffee beans, with a slight risk of ransomware. This is the most post-cyberpunk statement I've ever seen. permalink embed parent report [-] bullshit_translator Chaos magnet 3 points 1 day ago Which do you think is cheaper? Re-imaging a chemical factory full of computers that run the interfaces to your monitoring software, and potentially jeopardizing hundreds of lives in the process due to ransomware, just so you can autobill for coffee grounds. or Having someone check the cabinets once a week and documenting the supplies.	
[-] MindOfSteelAndCement 7 points 1 day ago And the survey says? It depends on the size of the company and the XaaS that is provided. I work in medium sized office and we have Printing-aaS, Tech support-aaS and Office furniture-aaS. However we have an Office Manager that buy us paper and mechanical pencils, tea and coffee and mail supplies and USB-cables. permalink embed parent report [-] bullshit_translator Chaos magnet 6 points 1 day ago So, what you're saying is that a hardware/software solution should be planned out in advance, and thoroughly evaluated before implementation?	
I can agree with that. permalink embed parent report [-] gjack905 3 points 23 hours ago The internet coffee maker thing was properly planned, but said plan was not followed. permalink embed parent report [-] bullshit_translator Chaos magnet 2 points 17 hours ago The internet coffee maker thing was properly planned, but said plan was not followed. I would have to disagree. There should never have been internet enabled coffee makers installed in the first place.	e.
Running Windows embedded/IoT on a coffee maker in an enterprise environment and not accounting for unpatch code is bad. Even worse, a plan should never rely on humans so heavily, that a single mistake (like connecting to the wrong V network) will bring down your entire system. The worst of all is that multiple, internet enabled devices were installed on the premises and never checked by someone in-house. No one noticed added network traffic entering or leaving the network. No one conducted any of security audit on the devices after installation to ensure that a chemical factory wouldn't potentially be affected permalink embed parent report [-] C10H15N1 [S] 7 points 1 day ago	ViFi sort
I just want to point out, that it doesn't matter if the monitoring software crashes. All the logic is in the PLC's. it could probably run fine for months without anyone monitoring it, and if something goes catastrophically wrong it will instantly trip the factory, and all the chemicals get incinerated and blow out through the smoke stack. Those operators are mainly there because it's required by law, and that law is there to make other people feel safe. 99.99% of the time all the operator does is mute / snooze warnings, and the other 00.01% of the time he is there to make sure the factory keeps running when the PLC's encounter an unprogrammed exception, where they don't know what to do with the factory. We have a few small remote factores, that run unmanned with exactly the same PLC's. And there is only someone there when the PLC's report something needs to be replaced.	
permalink embed parent report [-] TerminalJammer 12 points 1 day ago* Welcome to the internet of things, where things are arbitrarily given internet access, while skimping on security (due to cost), and using decrepit software for some reason. Put them on a separate vlan, I say. (And only accept LAN-initiated connections on the firewall/router or from specific ip/fqdn but that assumes some things about the IoT product maker - that they're capable of settling for one thing when setting up their network even if they can't follow standards or best practice) permalink embed parent report [-] bullshit_translator Chaos magnet 9 points 1 day ago	
You have a pacemaker that you'll die without? Make it able to remotely connect automatically over the internet to diagnostic software, so that issues can be detected early and you continue to live. Need to monitor and control one of the world's largest subway systems so that the entire city's productivity is increased, and people don't die a fiery death in crashes? Hook the entire thing up to a remote monitoring and control system that backs up the human operators. What I don't like is the overall execution: We've built an auto-billing coffee machine that runs off an unsecured, ancient variant of Windows code that is susceptible to and can spread cryptolocker. Here, install this at your company.	
Or (more benign), we've made your refrigerator, toaster, home coffee maker, oven, and more track every single thing you eat or drink, and then sold that information to our advertisers, because the space is too competitive and we need to squeeze every bit of profit from our customers, all while eroding privacy even more. It's all fucking shit. permalink embed parent report [-] IanPPK 1 point 13 hours ago Yup. https://youtu.be/WHdU4LutBGU https://youtu.be/h5PRvBpLuJs Just a couple of videos on IoT flaws on a grand scale.	
https://youtu.be/7QvtMhlipzs One more for good measure. permalink embed parent report To be fair, in a work environment you should have a network available where you don't care permalink embed parent report [+] [deleted] 1 day ago (1 child) [-] BeingofUniverse 8 points 1 day ago	
So waitthese coffee machines are connected to the internet? permalink embed report [-] MoneyTreeFiddy Mr Condescending Dickheadman 70 points 1 day ago How else are they gonna update java? permalink embed parent report [-] ZytheriosZytherion 11 points 1 day ago Have an upvote good sir. permalink embed parent report	
[-] sudomakemesomefood "But I hit enter and now its asking to reboot!" 0 points 1 day ago That was rejavanating permalink embed parent report [-] honeyfixit It is only logical 17 points 1 day ago Yeah probably part of that whole Internet of Things (IoT) they were connected so the company could remotely monitor for maintenance send appropriate amounts of supplies that sort of thingthink of less as a coffee machine and more as a primitive star trek replicator that makes only coffee permalink embed parent report [-] BeingofUniverse 10 points 1 day ago	
Do they at least give you the ability to remotely make coffee? permalink embed parent report [-] fishbaitx stares at printer: bring the fire exstinguisher it did it again! 3 points 1 day ago O.O if it exists someone must tell me! permalink embed parent report [-] honeyfixit It is only logical 2 points 1 day ago I dunno not a coffee drinker permalink embed parent report	
[-] MindofSteelAndCement 2 points 1 day ago Yes they do permalink embed parent report (-] tuxxer 1 point 19 hours ago Yeah, but then you need a Roomba or an Aibo to deliver it to you. The whole idea is to get away from your work station and talk about game of thrones or silicon valley fridges permalink embed parent report [-] rofiburger 8 points 1 day ago I mean sure yell at the coffee machine guy but this is 100% your companies fault.	
[-] C10H15N1 [S] 7 points 1 day ago I agree, someone should have checked the installer didn't plug any network cables into the network. But C'mon, the installer read the instruction and clearly didn't care to follow it. Because the credentials for the Isolated wifi IOT network where in that instruction, and they weren't printed in bold. So he at least read the instruction and didn't care. permalink embed parent report [-] roflburger 5 points 23 hours ago True and he should probably be in a lot of trouble with his company and banned from yours.	
But why does such a sensitive network have ports in the coffee room and why aren't they all NACed anyways? Or did the dude run his own cable somehow? permalink embed parent report [-] StrangelyTyped 6 points 1 day ago C'mon - I know you tried to hide it but with a name like that you have to work for Madrigal Electromotive permalink embed report [-] C10H15N1 [S] 3 points 1 day ago Damm, how did you figure that out? permalink embed parent report	
[-] bobowhat What's this round symbol with a line for? 6 points 1 day ago Sounds like the tech who did the coffee machine install needed some C8H10N4O2. permalink embed report [-] fishbaitx stares at printer: bring the fire exstinguisher it did it again! 3 points 1 day ago i prefer the 1,3,7-trimethylpurine-2,6-dione edition. permalink embed parent report [-] C10H15N1 [S] 2 points 1 day ago I approve of this message :P	
permalink embed parent report [-] UpgradeSolution 3 points 1 day ago I have yet to see one running on windows iot or CE so that's the weird part to me. Usually these will run on Linux due to cost. permalink embed report [-] SeanBZA 5 points 1 day ago Probably running on some standard image, with all having the same login password and zero chance of it ever being updated or changed, and with known easy to exploit vulnerabilities on Shodan. Then they got turned into scanner bots and infected all the networks they could reach. permalink embed parent report	
permalink embed parent report [-] karuxkaoru 4 points 1 day ago sombra strikes again!! permalink embed report [-] CherryBlossomStorm 2 points 19 hours ago The control network wifi didn't have a password? Or if it did who gave it to the coffee installer? permalink embed report [-] accountatwork86 2 points 8 hours ago	
If I understood correctly the coffee machine has wifi and ethernet connectivity and while it was connected to the devil may care wifi it also had a cable plugged in. The problem in my opinion is that there are apparently unused ethernet ports that are patched. permalink embed parent report [-] coyote_den HTTP 418 I'm a teapot 2 points 3 hours ago the person installing the coffee machine connected the machine to the Internal control room network Well, it is for the absolutely critical hardware. permalink embed report [-] barubary 3 points 1 day ago	
[-] barubary 3 points 1 day ago *Cue permalink embed report [-] MindOfSteelAndCement 3 points 1 day ago Que? permalink embed parent report [-] 0xTJ 2 points 7 hours ago Queue?	
Not a throw-away account, your new Pen Name account! More writings permalink embed report [-] ac8jo 1 point just now [the coffee machines are supposed to be connected to their own isolated WiFi network Maybe I'm just old fashioned (and have only once worked in an office > 50 people), but it seems the ONLY network a coffee maker should be connected to is the public water 'network'. permalink embed report	
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