

Introducing sys-i2pd

[cayce](#) 1 December 21, 2022, 9:03pm

Here is a simple SaltStack solution:

<https://github.com/cayc3/sys-i2pd>

Disclaimer:

Even though the source is minimal & concise for practitioners, paper tiger [enmus](#) feels compelled to regurgitate FUD filled misinformation despite failing to understand or implement this solution nor read the source. Thus, I'll try to provide a high level overview for those who don't know how to read and/or understand SaltStack.

1. A debian based template (TemplateVM) is created
2. A user friendly frontend to i2p services (i2pd-qt) is installed in the TemplateVM created (1)
1. An autostart configuration is put in place to allow the i2p frontend to start on boot
3. A disposable template (AppVM) is created based on the aforementioned (1) template
4. A disposable VM (DispVM) is created from the disposable template in (3)
1. This is the ONLY VM/Qube that need be activated/started in order to use
5. An allow rule is created in dom0 to bind the listening proxy port of the DispVM (4) to any VM/Qube.
1. The desired proxy port is available via localhost as if the proxy were running locally
6. To browse to an i2p site, as an example:
 1. Open a browser application in your favorite disposable VM/Qube
 2. Change the NetVM to use the DispVM (4)
 3. Configure the http proxy setting to something like:
 1. 127.0.0.1:4444
 4. Enter/browse to i2p URL
 5. To browse to clearnet again, simply disable the proxy setting

8 Likes

[Best way to progress as a beginner?](#)

[Reflections on: Not Posting Every Symptom in Original Post](#)

[I2P only Qube?](#)

[Introducing srv-headscale](#)

[Easiest way to setup i2pd](#)

[MrA](#) 2 December 21, 2022, 9:36pm

Bravo. I love it. I'm looking forward to sitting down with this.

What a wonderful contribution as a first post.

2 Likes

[enmus](#) 3 December 21, 2022, 10:56pm

Welcome to the forum and thanks for the nice contrib.

Some things to point out to users here:

- This will not install i2p, but i2pd-qt (GUI for i2pd).
- It will do it on debian-11-minimal.
Nothing wrong so far, but you might want to consider this and maybe to name it according to the facts.
- it claims it will install debian-11-minimal from repo qubes-templates-itl-testing, while it isn't there, but in qubes-templates-itl (only fedora-37s are in testing at the moment)
- It will create sys-i2p named dispVM, will give it 512MB RAM and set sys-firewall as its netVM.
Nothing wrong so far, but you might want to consider to chain it to your(s) sys-whonix/sys-VPN prior to sys-firewall. Also you might want to consider to set additional prefs like `meminfo-writer off`, or `appmenus-dispvm ' '`, just in case.
- It will create file and correspondent policy entries in `30-user-networking.policy`, so if you already have your `30something` policy file, you might want to consider to customize this to attach the line to your already existing custom file.
- It will create a dvm-template which provides network and whose netVM will be sys-firewall.

This I don't understand at all. What this is for? Can [@cayce](#) explain this please? What any dvm-template would provide network for? I am not claiming anything or judging, but am genuinely interested in.

Thanks once again.

[cayce](#) 4 December 22, 2022, 12:33am

A) Before voicing opinions on a solution without experience, it's more often than not best to try the solution.

B) Since you took more time to spell out your confusion than implement this turnkey solution; let's clear up your many misstatements for future readers ...

- This will not install `i2p`, but `i2pd-qt` (GUI for `i2pd`).

Ought `sys-firewall` be renamed to `sys-iptables`?

This implementation provides an easy to use DispVM providing `i2p` routing services in a user friendly, Qubes manner. Feel free to make a PR or name whichever Qubes to your liking.

- It will do it on `debian-11-minimal`.
Nothing wrong so far, but you might want to consider this and maybe to name it according to the facts.

This formula ***clones*** `debian-11-minimal` to an easily identifiable name of `sys-i2p-template`.

I don't quite understand what you mean by "name it according to facts" ... One of the many great things about DevOps is users have the option to choose their own naming/organization schemes. Users aren't bound to any standard with Qubes. Feel free to rename (according to whatever unnecessarily rigid standard you've dreamed up) via CLI, GUI or, go wild and modify the source with your favorite text editor!

- it claims it will install `debian-11-minimal` from repo `qubes-templates-11-testing`, while it isn't there, but in `qubes-templates-11` (only `fedora-37s` are in testing at the moment)

I already had the `debian-11-minimal` template installed so, this one got past me during the test drive. That said, I've gone ahead and removed the `fromrepo` artifact. I believe `debian-11-minimal` is now in the main repo for both 4.0 & 4.1 so, the `fromrepo` specification is not necessary.

- It will create `sys-i2p` named dispVM, will give it 512MB RAM and set `sys-firewall` as its netVM.
Nothing wrong so far, but you might want to consider to chain it to your(s) `sys-whonix/` `sys-VPN` prior to `sys-firewall`. Also you might want to consider to set additional prefs like `meminfo-writer off`, or `appmenus-dispvm ' '`, just in case.

As the outbound path routing ought be chosen at the discretion the user based on the use-case at hand, `sys-firewall` is the best default choice. `sys-VPN` is not a standard; nor is `sys-proxy`, `sys-ips`, `sys-wifi`, `sys-bluetooth`, `sys-gprs`, `sys-modem`, `sys-3G`, `sys-4G`, `sys-5G`, `sys-satcom`, `sys-pigeon` or many of the other outbound possibilities a user may have implemented. Qubes is very flexible as, it allows users to change the NetVM easily via CLI or GUI. How a user chooses to architect the routing of their traffic is outside of scope.

- It will create file and correspondent policy entries in `30-user-networking.policy`, so if you already have your `30something` policy file, you might want to consider to customize this to attach the line to your already existing custom file.

The command used to add the allow policy is:

tee -a

For your enlightenment & per the man page for this command:

-a, --append
append to the given FILES, do not overwrite

- It will create a dvm-template which provides network and whose netVm will be sys-firewall.
This I don't understand at all. What this is for? Can [@cayce](#) explain this please? What any dvm-template would provide network for?

sys-i2p-dvm is never started; sys-i2p is a DispVM of sys-i2p-dvm thus, inheriting it's properties.

Hope this clears things up for you.

[enmus](#) 5 December 22, 2022, 5:40am

Hey [@cayce](#) , thanks for your response, but I think you all got it wrong. I clearly addressed statements to you and to the users who will deploy it.
To you, I addressed only two statements:

1. Thanks, twice.
2. About dvm-template.

All other statements were for the users what to consider to customize and what to consider when deploying it.

Now, again one more for the users to consider when customizing/deploying it:
I find it extremely dangerous to allow all VMs to connect to sys-i2p over TCP without being aware of potential risks of such a decision.
And one for you, after you clarified about dvm-template.

Regardless of the fact if dvm-template is ever started or not (you never wrote of that) this is not the way how you create sys-qubes, the ones that provides network in this case.



Disposable customization

Introduction A disposable can be based on any app qube. You can also choose to use different disposable templates for different disposables.

To prepare an app qube to be a disposable template, you need to set `template_for_dispvms` property, for..

So there's absolutely no need to attach netVM and enable `provides_network` True for the dvm-template.

sigh

I clearly addressed statements to you and to the users who will deploy it.

The only thing I see you **clearly** addressing is your lack of experience & understanding.

I'm certain I've not got it "all wrong" as you've opined because this is a sound working solution (which you have not implemented) that is above and beyond the one you've provided. It's obvious from your statements/arguments you're a bit of beginner with *nix, networking and threat assessment in general who's failing miserably at flexing your technical prowess. So, I'll say it again, implement the solution; then trash talk it, with PRs or a fork and stop derailing the conversation with your personal delusions. Welcome to computing, there is not a singular "right" way to achieve the goal, there is not and will not be a single solution that fits all user needs but, by all means go ahead and provide something better. You're clearly a "know it all" that actually knows very little despite the exorbitant amount of time you waste on this forum, full of both yourself and misinformation whom, I haven't the time the web-argue with.

I find it extremely dangerous to allow all VMs to connect to sys-i2p over TCP without being aware of potential risks of such a decision.

This FUD filled statement is laughable. Are you in sales or something? Please provide an example of the "extremely dangerous" scenario you are imagining. Something like the C2 traffic (from malware that's somehow been installed on a VM that you control) being able to find it's way outbound via the i2p http proxy port 4444?

If you think that there is some risk in consciously allowing VMs that a user has control over to contact a single outbound port on another VM which the user also has control over, you've clearly got bigger issues than the allow rule and, maybe it's time for you to put down the internet altogether. Your lack of computing experience and security experience is really loud right now.

So there's absolutely no need to attach netVM and enable `provides_network` True for the dvm-template.

sys-i2p-dvm is an AppVM which serves as a template for disposable which is NEVER used. It's sole purpose is to provide the template for the sys-i2p DispVM. To assist you in your neurosis about the "right" way to "do it", what YOU want to do with YOUR fork is apply the NetVM & Provides Network settings on the DispVM. But, you'd have to understand SaltStack to do that.

So there's absolutely no need to attach netVM and enable `provides_network` True for the dvm-template.

For this use-case, there's absolutely no reason not to; aside from appeasing you. Thanks for playing!

Thanks for derailing the entire post to make it about your (incorrect) self but, that seems to be all you do here.

[tanky0u](#) 7 December 22, 2022, 2:51pm

Good thread, and I appreciate some work on sys-i2p. However why the passive-aggressive stance towards [@enmus](#) ? As far as I can tell from reading this thread here, he is being hospitable to your work.

2 Likes

[MrA](#) 8 December 22, 2022, 3:08pm

[@tanky0u](#) Just about to reply in a similar fashion, but you saved me the effort.

I took [@enmus](#) reply as useful and encouraging. I'll certainly be studying it when I get an opportunity.

I do hope [@cayce](#) can read it again with a different frame of mind. In my experience [@enmus](#) has always meant well in his contributions.

2 Likes

[cayce](#) 9 December 22, 2022, 3:35pm

[@tanky0u](#) Not passive at all, 100% aggressive against valueless, uneducated, uninformed FUD.

[@MrA](#) Meaning well and doing well are very different things. Ask any Native American (or countless populations around the globe) how the "well meaning" efforts of invaders has worked out.

[cayce](#) 10 December 22, 2022, 3:43pm

I'll just mark the repo as private ... problem solved!

"_ (ヾ)_ "

Should the FUD either be supported with factual information or be retracted, the repo can be made public again?

1 Like

[enmus](#) 11 December 22, 2022, 3:48pm

Is there something specific with i2p that makes people hostile? I have witnessed at least one case more.

I can create some and publish it here, since I don't have Github account...

1 Like

[cayce](#) 12 December 22, 2022, 3:49pm

[@enmus](#)

Misinformation will do that, especially when something of value is offered to a community in good faith free of charge. That a Kali "user" like yourself doesn't even understand the -a flag of the tee command baffles me.

I find it extremely dangerous to allow all VMs to connect to sys-i2p over TCP without being aware of potential risks of such a decision.

Still waiting for you to back this up ...

1 Like

[enmus](#) 13 December 22, 2022, 4:02pm

cayce:

doesn't even understand the -a flag of the tee command baffles me.

Hey [@cayce](#) , I just think I wasn't clear enough (I won't say you didn't understand my remark) with

enmus:

so if you already have your 30something policy file, you might want to consider to customize this to attach the line to your already existing custom file.

I said here, if the user have 30_user.policy, instead creating additional file with your script, she could customize your script and put there 30_user.policy instead. This is indeed trend with new Qubes RPC policy system - to have them all in one file.

I hope I clarified now what was written there.

It is good that you edited OP to give people some more info, since lacking this initially and on Github, I tried to do it in a way in my first post here.

I will not respond anymore on this, until I create and publish sys-i2pd.

1 Like

[cayce](#) 14 December 22, 2022, 4:10pm

enmus:

It is good that you edited OP to give people some more info, since lacking this initially and on Github, I tried to do it in a way in my first post here.

Totally my fault for affording you the benefit of doubt that you could read.

enmus:

I will not respond anymore on this, until I create and publish sys-i2pd.

Won't be holding my breathe, I'm certain that someone of your caliber won't provide a more usable solution. When you do copy left, be sure to publish with attribution per the license terms.



Could you also publish sys-iptables & sys-usbipcore? Ya know, just to be thorough for clarity. 🤔 😊 😐

[Insurgo](#) 15 December 24, 2022, 6:30pm

The package (spec file in parent dir) is still missing (so package is not yet published) but I was wondering (have not compared solutions, just read this thread) of the differences between implementations from [@unman](#)'s implementation with this sys-i2p?

[shaker/i2p at main · unman/shaker](#)

[main/i2p](#)

Contribute to unman/shaker development by creating an account on GitHub.

2 Likes

[cayce](#) 16 December 24, 2022, 7:07pm

I hadn't seen [@unman](#) work on this until now so, thanks for this [@Insurgo](#) ! I've only reviewed Unman's solution quickly now so, apologies in advance if there's any misstatements following ...

The fundamental difference being the QT GUI frontend built from source pulled from github via autostart which is leveraging i2pd in order to support on-the-fly config changes for those that enjoy extra dock icons. 🤖 From the looks of things, Unman's implementation uses i2p from the official debian repos of the i2p project supplemented with firefox-esr to provide a frontend. Additionally, this implementation uses RPC allow rule(s) to support TCP connectivity while, Unman's uses nft/iptables rules. As well, I'm sure I've missed a few things.

That said, Unman is THE man and, I've got nothing but respect and gratitude for dude. He's a legend for sure. I trust his work over mine any day so, I'll probably see how I can make

improvements or ditch it altogether depending on how useable Unman's is for me.

4 Likes

[cayce](#) 17 December 24, 2022, 10:18pm

Update:

In lieu of [Unman's effort](#), the project/repo have been renamed to [sys-i2pd](#) in order to avoid confusion. Most references to i2p within this thread, made by myself can effectively be replaced with i2pd (ie: sys-i2p would become sys-i2pd).

1 Like

[enmus](#) 18 December 24, 2022, 11:11pm

Great! Things are definitely getting better and improving. Two more left. I hope they'll come soon, so users in the know wouldn't need to customize them themselves (dvm-template and policy). Thanks again for this nice and quick solution.

1 Like

[cayce](#) 19 December 24, 2022, 11:13pm

Two more what? Please STOP posting in this thread before you've tested the solution and without value. From the handful of days I've been signed up on this forum, I'm amazed that moderators let you sink the overvalue time and time again.

[Insurgo](#) 20 December 24, 2022, 11:25pm

If I understand [@enmus](#) points, outside of trying to interpret FUD or jump in non-constructive criticism, without having tested your solution nor [@unman](#) and having passed literally less than 5 minutes comparing codebases:

enmus:

I said here, if the user have 30_user.policy, instead creating additional file with your script, she could customize your script and put there 30_user.policy instead. This is indeed trend with new Qubes RPC policy system - to have them all in one file.

[@cayce](#) this would be [@enmus](#) first point (I agree with this one if an additional policy file is created instead of modifying central 30 user policy file. Otherwise it created confusion for other projects already which I guess is base of what I see as constructive criticism) .

cayce:

Additionally, this implementation uses RPC allow rule(s) to support TCP connectivity while, Unman's uses nft/iptables rules. As well, I'm sure I've missed a few things.

[@cayce](#) that would be [@enmus](#) second criticism which without testing/deeper review, I cannot comment on as of now. But my curiosity is poked, I will do check and comment later. Hope constructive comments are welcome, since the tone of this thread is not that welcoming for others to comment?

This contribution is welcome [@cayce](#) ! No doubt there!

Edit: [@cayce](#) you should modify links in OP to point to renamed project

2 Likes

[cayce](#) 21 December 24, 2022, 11:38pm

Insurgo:

[@cayce](#) this would be [@enmus](#) first point (I agree with this one if an additional policy file is created instead of modifying central 30 user policy file. Otherwise it created confusion for other projects already which I guess is base of what I see as constructive criticism) .

I've already addressed this within the salt formula (which a certain somebody can't seem to bother reading before postulating), policy file is created if non-existent and appended when present. As stated previously, if existing; the policy is simply updated via the tee -a (append) command. What [@enmus](#) would like is an automagical script that determines any user's customization of policy files and modify that. Because an existing, alternately named policy file would be an indication of an "advanced user", modifying the source to accommodate such is left up to said "advanced user".

Insurgo:

Edit: [@cayce](#) you should modify links in OP to point to renamed project

I already tried but, ability to edit seems to be disabled after some days. For now, I've done what I can to highlight the issue by changing the thread's "solution". I've already flagged it for moderation with an explanation of the desired changes. Hoping the request will be seen soon than later.

Hope constructive comments are welcome, since the tone of this thread is not that welcoming for others to comment?

Of course it is but, I probably won't be sticking around/contributing too much longer based on the lack of moderation. It's just holiday season so, kind of bored and trying to make myself useful somewhere. If I wanted interaction like what I've seen over the past few days, I'd be on 4chan.

1 Like

[enmus](#) 22 December 24, 2022, 11:46pm

cayce:

What [@enmus](#) would like is an automagical script that determines any user's customization of policy files and modify that.

Even if something could be read like this in what I wrote, it wasn't my intention and I apologize. I was rather referring to official docs, for which I am sure you read it too.



[Qubes Architecture Next Steps: The New Qrexec Policy System](#)

This is the second article in the “What’s new in Qubes 4.1?” series. You can find the previous one (about GUI Domains) here. While the introduction of GUI domains is a big, singular feature, the changes to qrexec are more complex and varied — but...

cayce:

I already tried but, ability to edit seems to be disabled after some days.

You can summon [@deephlow](#) to do that for you, or better, to create wiki from the OP, so it could be modified accordingly.

1 Like

[enmus](#) 23 December 24, 2022, 11:51pm

cayce:

and trying to make myself useful somewhere.

You did it. I already kindly asked you not to give up. Because you have things to offer. I sincerely hope it won't pass another 5-6 years to your next Github repo.

[cayce](#) 24 December 24, 2022, 11:51pm

cayce:

Please STOP posting in this thread before you've tested the solution and without value.

Again, you are continuing with your uninformed, disrespectful arrogance wasting bandwidth. If you had the wherewithal to bother implementing the solution or reading the source you would already know that the policy IS in fact updated. If any user has chosen another location for policy updates, they are free to adjust the source with their favorite text editor to achieve said goal.

1 Like

[enmus](#) 25 December 24, 2022, 11:53pm

cayce:

they are free to adjust the source with their favorite text editor to achieve said goal.

And I never implied that I expected you to change your script there.

[cayce](#) 26 December 24, 2022, 11:54pm

enmus:

And I never implied that I expected you to change your script there.

What you did is suggest is that a solution wasn't in place which, in fact is which, you would know if you posted based on understanding & comprehension as opposed to uniformed ignorance.

enmus:

You did it. I already kindly asked you not to give up. Because you have things to offer. I sincerely hope it won't pass another 5-6 years to your next Github repo

As I and many others have asked you countless time publicly & privately, STOP posting without value.

Trust me when I make it clear to you that you are NOT a motivator, quite literally the opposite.

[Insurgo](#) 27 December 25, 2022, 12:17am

Hmm checked both codebases quickly and it seems that [@unman](#) 's implementation is actually never calling in.sh script to open up ports.

I got curious, on my phone here waiting for christmas people to arrive and checked, but trying (failing now) to get away of screen for a forced retreat.

But I might try both implementations.

The thing I like about unman's approach is that even if he said he would never package salt

recipes, he's actually doing it. What makes it amazing is that one can actually (not for i2p now as said above) normally install/uninstall/update salt policies deployed directly from dom0 which eases UX next level, which is quite needed now. Its nice to simply read a spec file to understand what salt recipes are called, how and when to quickly jump into the recipes themselves and then inspect code and do review online.

As said I will try to take the time to test both implementations. I'm getting sick of tor for personal reasons and would love alternatives to get more accessible. And those projects are exactly that.

[@cayce](#) Not sure Bob and timestamps to 1999 are relevant. Other comment: I love unman's approach with in.sh (if it was called) where http proxy only seems limited, yet again last time I played with i2p was years ago, and "play" is the right term, considering it as a toy back then. Those projects make it easier to deploy and use, if bar to deployment was eased. I would invite you to challenge unman's implementation through github issues if you will from your common experience this i2p deployment would be definitely more solid and enjoyable from a UX perspective.

Keep up the good work! And merry christmas!

[enmus](#) 28 December 25, 2022, 12:20am

Eventually,

```
qubes.ConnectTCP * untrusted @default allow target=sys-i2pd
```

should be the default policy entry, leaving users to customize it to their will/needs, and I'll stop here.

Merry Christmas.

[cayce](#) 29 December 25, 2022, 12:38am

There are a few points available for hardening within the solution I posted. This being one of them.

This would have been made clear in the git Wiki by now had I not had to exhaust soooooo much time addressing your ignorance.

enmus:

Eventually,

```
qubes.ConnectTCP * untrusted @default allow target=sys-i2pd
```

should be the default policy entry, leaving users to customize it to their will/needs, and I'll

stop here.

Yet again, you CONTINUE posting out of ignorance. The example you've copy/pasted from the docs speaks to a qube with the name of `untrusted` which, I nor others very well may NOT have implemented thus, would NOT work out of the box for many.

How a user would like to tighten this up would be something more like:

```
qubes.ConnectTCP +4444 @dispvm:<USERS_PREFERRED_I2P_DISPVM_HERE> sys-i2pd allo
```

Upon initial testing this failed to work as, this convention doesn't seem to work for source. nor did `@dispvm`.

Because which VM a user would like to leverage is an unknown, `@anyvm` was chosen as default to allow users to get up and running, leaving the exercise of the selection of which hosts to allow access to the `i2p` proxy.

The only threat I could imagine is malware phoning home to C2 via the `i2p` proxy but, this would be a task for the user's IDS to identify. If this were the case; said user has bigger issues with supply chain than a single outbound port being poked.

Furthermore, despite the allow rule being `@anyvm`; the only VMs which are actually able to pass traffic successfully through the open proxy are those which have `sys-i2p` (now `sys-i2pd`) selected as the NetVM. Thus, I'm comfortable with managing the risk by only attaching this NetVM to designated minimal DispVMs.

[cayce](#) 30 December 25, 2022, 1:01am

Insurgo:

But I might try both implementations.

The thing I like about unman's approach is that even if he said he would never package salt recipes, he's actually doing it. What makes it amazing is that one can actually (not for `i2p` now as said above) normally install/uninstall/update salt policies deployed directly from `dom0` which eases UX next level, which is quite needed now. Its nice to simply read a spec file to understand what salt recipes are called, how and when to quickly jump into the recipes themselves and then inspect code and do review online.

I prefer Ansible over SaltStack for deployment management but, maybe I'll work on adding a spec file per your request if it could improve the informed user experience. The existing `install.sh/uninstall.sh` ought to offer the clarity & control you are after.

[@Insurgo](#)

I encourage you to try the solution out and provide some feedback. Thus far, for browsing it works a treat out of the box and, as I stated upthread, I'm comfortable with the threat profile.

[cayce](#) 31 December 25, 2022, 2:18am

[@enmus](#)

FFS or, for the love of Jehovah, respect something other than your compulsion to top-post at least until you've actually implemented the solution!!!

THIRTY POSTS, with little to none informed feedback. May this thread serve as an example of the "noise" you generate.

[enmus](#) 32 December 25, 2022, 2:41am

cayce:

until you've actually implemented the solution!!!

I tried of course, but it didn't work.

[cayce](#) 33 December 25, 2022, 2:43am

What a surprise! [@enmus](#) top-posting for the sake of top-posting, AGAIN! Thank you Jesus for this xmas blessing!

enmus:

I tried of course, but it didn't work.

Which part did you not follow instructions and thus, "didn't work"?

Create an issue on github or it didn't happen.

[enmus](#) 34 December 25, 2022, 9:12am

► Offtopic

1 Like

[cayce](#) 35 December 25, 2022, 10:55am

enmus:

I tried to be polite and to respond when you mention me. I'll stay away from this topic.

As an intolerable, self absorbed menace, the last thing you are is “polite”.

polite

adjective

Marked by or showing consideration for others and observance of accepted social usage.

Refined; elegant.

Smooth; polished.

[Sven](#) 36 December 25, 2022, 5:01pm

Everyone take a timeout. This thread has become unproductive. [@cayce](#) dial down personal attacks please.

4 Likes

[deeplow](#) 37 December 26, 2022, 11:21am

Moderation feedback

It's unfortunate that this thread has derailed so much. Holiday season doesn't help much. I have taken the time to read the full thread, but I haven't explored the technical bits to verify the accuracy of comments. Thanks for the ones who flagged this discussion for moderator attention (except for the uncalled for mass flag, which clogged our moderator review queue 🙄)

My conclusion is that even though perhaps [@enmus](#) criticized some things without full justifications, some other criticisms made sense [to others](#). As a security-focused project, adversarial criticism is a tenant of the Qubes project. For the most part [@enmus](#) has framed these positively and used welcoming and inclusive language for your posts (which fits very much into the [CoC standards](#))

So, from what I've observed, [@enmus](#) has acted in good faith. [@cayce](#) you don't have to address every single piece of criticism especially if they come only from one person and you feel it's just justified.

However, what do so see is that [@cayce](#) has done a considerable number of personal attacks against enmus, which actually constitute a violation of the code of conduct.

My criticism/feedback for [@enmus](#) would be to (1) slow down the responses and let others participate in the thread, (2) not demanding improvements (we're in a FOSS environment driven in large part by volunteers – nobody owes anything to anybody – all you can do is encourage participation),

Lastly, I'd like to encourage [@cayce](#) to keep the code public and not to let one bad experience (from your perspective) with one individual, stop others from contributing / using your contribution.

► Quotes for the respective issues raised

4 Likes

[cayce](#) 39 December 26, 2022, 1:45pm

Per the often cited reference in this thread:



[Qubes Architecture Next Steps: The New Qrexec Policy System](#)

This is the second article in the “What’s new in Qubes 4.1?” series. You can find the previous one (about GUI Domains) [here](#). While the introduction of GUI domains is a big, singular feature, the changes to qrexec are more complex and varied — but...

[@deeplow](#) [@Insurgo](#) [@theotherone](#)

Can anyone explain how the following commands to implement the policy do **NOT** follow the “Policy files” guidelines outlined in the referenced blog post above?

Install:

```
echo "qubes.ConnectTCP +4444 @anyvm sys-i2pd allow" | sudo tee -a /etc/qubes/
```

Uninstall:

```
sudo sed -i 's/qubes.ConnectTCP +4444 @anyvm sys-i2pd allow//g' /etc/qubes/po
```

90-default.policy clearly states:

```
## Do not modify this file, create a new policy file with lower number in the  
## filename instead. For example 30-user.policy
```

[deeplow](#) 40 December 26, 2022, 3:15pm

It looks fine to me, syntactically speaking.

If I were to implement this policy, I would modify the source and call it 30-i2pd.policy to be specific enough to safely remove it without a problem.

[Confused](#) 42 December 26, 2022, 10:29pm

deeplow:

I have taken the time to read the full thread, but **I haven't explored the technical bits to verify the accuracy of comments.**

<emphasis added>

Are comments in the absence of investigating the “technical bits” really useful?

deeplo:

nobody owes anything to anybody – all you can do is encourage participation

Most definitely.

[@deeplo](#) Moderate however you see fit (delete this and all my posts if it suits you but I appreciate [@cayce](#) contributions.) Watching the devolution of this forum is very disheartening.



1 Like

[Sven](#) 43 December 26, 2022, 11:43pm

You are definitely [@Confused](#) 😏

I fully agree with [@deeplo](#) 's assessment, nothing really bad happened. [@cayce](#) got a bit annoyed at [@enmus](#) ' rapid feedback and posted some unnecessary personal remarks. That's why we slowed down the thread and asked [@cayce](#) to please stop that. It appears he's cool with it as is [@enmus](#) .

Nothing is 'devolving' and all is good.

2 Likes

[cayce](#) 45 December 27, 2022, 5:50pm

► Not for technical user's eyes

If after an entire week of all this dribble, anyone would actually like to **use** this project, please just post a message in-thread something like: “Hi cayce, I'd like to give it a try” and, I'll message via PM.

If not, I couldn't fault you; not sure I'd bother with anyone taking into account all the FUD/dis/misinformation and attempted character assassinations.

Never the less, happy hacking folks! 🤘😍😍🙌

[Confused](#) 46 December 29, 2022, 8:33am

Sven:

Nothing is 'devolving' and all is good.

Glad to hear ([@Sven](#) was unable to PM you via forum, to avoid adding more noise to this thread, but... well I'm [@Confused](#) 🤔).

Devolution was poor word choice on my part (and not meant to insult [@deelow](#) or anyone else). To quote one much wiser and less confused than myself

[New "general admin, security & privacy" category?](#)

I believe that the only ones who can actually determine the extent to which *any* forum or subforum (or topic) is productive, engaging, and fulfilling are ourselves. Not the moderators. Not the administration. Only ourselves, for ourselves. It is also our responsibility, as members and as a community, to ensure that the spaces we construct and cultivate serve our interests and embody our values. Failing that, we fail ourselves...

For whatever my confused opinion is worth, I'm grateful for [@cayce](#) 's contributions and wish I had more time to experiment with i2p.

cayce:

"Hi cayce, I'd like to give it a try"



- Best

1 Like

[random](#) 47 January 3, 2023, 3:20pm

Spent the entire day trying this out, shit don't work unfortunately.

tried installing everything via the script and also tried doing everything on my own following more or less the instructions on the script. it don't work in both ways, the closest I've been to making it work was doing it by myself. But in both cases the connection either timed out or straight up said that it wasn't possible to reach the website.

I tried all I could but nothing works, my best result with this was a 'firewalled' network status that I couldn't even solve since the next time I restarted the qube i2pd just stays on 'unknown' network status.

I hope someone is able to figure this shit out cause I certainly can't. concept should work in theory but I think some firewall changes happened during recent times both in qubes or the i2p project and it doesn't work anymore, even just trying to start it out inside a whonix workstation doesn't work anymore.

[cayce](#) 48 January 3, 2023, 3:35pm

Thanks for taking the time to check it out!

Sounds to me like you aren't giving the i2p daemon enough time to set up the required tunnels ... you just need to wait for sometime for them to be established.

This is normal. Check the i2p [FAQ](#).

I've got this working through every NetVM (sys-net, sys-firewall, sys-ips, sys-vpn, sys-whonix) and every variation of chaining (including them all).

Sadly 🙄, I won't be able to support further in this thread because it's been throttled due to the emotive nature of @mods and the forum in general. 😞 😞

My PMs are open for now if you want help walking you through it. 🙄

[Insurgo](#) 49 January 3, 2023, 9:29pm

cayce:

Can anyone explain how the following commands to implement the policy do **NOT** follow the "Policy files" guidelines outlined in the referenced blog post above?

Install:

```
echo "qubes.ConnectTCP +4444 @anyvm sys-i2pd allow" | sudo tee -a /etc/qul
```

Uninstall:

```
sudo sed -i 's/qubes.ConnectTCP +4444 @anyvm sys-i2pd allow//g' /etc/qubes
```

90-default.policy clearly states:

Do not modify this file, create a new policy file with lower number in the filename instead. For example 30-user.policy

Hello there sorry for not having answered before, still trying to take time away from screen.

It is syntactically correct, where the suggestion in doc above is to put all user policies (that might conflict with each other), if possible, under 30-user.policy instead of another policy file.

Logic there, as for recent whonix debates for which policy file should be modified/created is that not all users will think of checking in other lower numbered down files, where 30-user.policy

should be used if possible (and relevant), otherwise creating confusion (as seen in the past on why things don't work and where users only check under 30-user.policy).

And to be honest, I would have to check Qubes internals to know which one of 30-user.policy or 30-user-networking.policy would be applied first, since they share the same number (30). I think this will lead to problems in the future if not already for some users.

I know, I know, I should test this. As of now I haven't neither tested unman's either but will try in the future both for sure.

I just am in love with public RPM spec files and associated rpms and repos for this. So convenient and so easy to understand and follow flow of deployment, application and learning. You don't like it? Just uninstall RPM, delete appvm and parent template.

[xn0px90](#) 50 January 3, 2023, 9:52pm

► off-topic

[deepflow](#) 51 January 4, 2023, 5:16pm

[@xn0px90](#) , please up the discussion on-topic. If you want to discuss anything else (Qubes-related, of course), please start a new thread.

2 Likes

[Quben](#) 52 January 5, 2023, 12:50am

so let me get this right, this DOESN'T allow me to chain netvm's to the i2p netvm, correct? I've been looking for a way to make an i2p netvm for aaaaaaages

[unman](#) 53 January 5, 2023, 3:34pm

Hi [@cayce](#)

Great to see your contribution. Well, I haven't yet seen it - is it still private?

I've only skimmed this thread - the (literal) noise has made it difficult for me to pick out what's important.

If I understand - you have produced an i2p proxy with a nice GUI control. My simple solution was set to provide an i2p node - the `in.sh` script can be used to allow inbound traffic to pass through the qubes networking stack.

It would be great if we could combine these and package them to provide a simple means of installing and setting up an i2p node available to other qubes.

If you can give me access to your repo that would be good.
PM me if you want to discuss off list.

I never presume to speak for the Qubes team. When I comment in the Forum or in the mailing lists I speak for myself.
4 Likes

[TommyTran732](#) 54 January 19, 2023, 11:28am

Nothing wrong so far, but you might want to consider to chain it to your(s) `sys-whonix/sys-VPN` prior to `sys-firewall`.

Why? To hide that you are using i2p? Or avoiding accidental leaks?

1 Like

[TommyTran732](#) 55 January 19, 2023, 11:47am

[@cayce](#) I glanced the through code. It is nice and simple. Haven't actually tried it out on my actual system yet.

A couple of things:

1. Would you consider switching to using Fedora instead of Debian? For one, Qubes defaults to using Fedora for most of its VMs. And two, Debian has a habit of shipping extremely old/EOL packages which isn't ideal for security. It shouldn't be too hard to just convert this to Fedora.
 2. I see that you are doing make install for i2pd-qt. The problem with this is that updating i2pd-qt will then need to be done manually instead of being done automatically by the qubes updater. There are a couple of potential workaround for this:
 - Package i2pd-qt using something like COPR or OBS and install the packages instead. I understand that this is a lot of extra work and might be out of scope, and you then would also need to be a package maintainer.
 - Use the Flatpak package and add a systemd service to automatically update it. This would require just using a normal VM for sys-i2pd rather than a disposable VM, as we would not want the updates to disappear every reboot. Since sys-i2pd will always be on, we can be reasonably sure that the custom systemd service will keep everything up to date.
-

[cayce](#) 56 January 19, 2023, 10:40pm

1. Debian just hasn't been the same since Ian left us. 🙄 I really hope that he's in a better place ... I'm not terribly impressed with fedora either, my current preference is nixOS. That said, I likely will not bother with a fedora based version because IMO it's a moot point, this is a service qube based on a minimal template. If one's threat model is so sharp as to need to defend against unpatched debian 0-dayz, this is not the correct solution. Despite falling off IMO, debian still patches quickly.

TommyTran732:

It shouldn't be too hard to just convert this to Fedora.

You're right, it wouldn't be too hard @ all since, I've taken the time to do the hard bits. If anyone **needs** a fedora version, I'll be happy to work on it after donations have been made. 🙌

2. The GUI project is an official i2p project thus, in due time, it'll be added to the official i2p repo. At that time, I'll modify the project to leverage the repo/binary package. I'm not planning to package anything unless someone wants to make contributions to do so.

Regarding flatpak's, I'm not a fan nor would any hackery to create "auto-updating" be worthwhile IMO as, it would be outside of the Qubes update mechanism so, not very different from the build approach.

[cayce](#) 57 January 19, 2023, 10:47pm

I spent the day with this user on PM and, it turned out the project was working as expected but, the user was not being patient enough to allow the necessary tunnels to be created.

Fact is, both onion & garlic routing have been fielding serious blows lately so, I advise anyone trying to use this project or any i2p projects to check the latest [sub-reddit](#) to verify status/expectations.

► Instead of confirming success/misunderstanding here ...

[cayce](#) 58 January 19, 2023, 11:05pm

- NOTICE *

MANY upgrades have happened within the i2p/i2pd codebase since this was posted.

Currently, finishing up a branch which will include DispVM with a browser preconfigured to use sys-i2pd. Please wait for this release.

5 Likes

[random](#) 59 January 23, 2023, 5:34pm

it wasn't a "how-to" I just thought I would post the way it worked for me in the end.

[Fedora44](#) 60 January 26, 2023, 7:33am

[@cayce](#) plz pm

[msm](#) 61 October 5, 2023, 7:30pm

What an overly entitled and bitter brat. Thank you for spitefully removing all of your code. Good riddance.



[Invisible Internet Project \(I2P\)](#)

I2P over Tor. Tunneling the I2P Anonymizing Network over the Tor Anonymizing Network.
Connection Schema: Tor → I2P → Destination.

[I2P qube](#)

[usb_c](#) 62 February 24, 2024, 9:33pm

Any update on this? Would like to try the project but well still private

[DVM](#) 63 February 24, 2024, 10:03pm

The account is suspended. You won't get an answer from him.

1 Like

[tanky0u](#) 64 March 7, 2024, 1:12pm

I opened a new thread for discussion: [Request for a sys-i2pd setup guide](#)

I hope we will have someone who will show us the way to get this done.