

# GPL COMPLIANCE CASE STUDIES

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## **Abstract**

This one-day course presents the details of five different GPL compliance cases handled by FSF's GPL Compliance Laboratory. Each case offers unique insights into problems that can arise when the terms of GPL are not properly followed, and how diplomatic negotiation between the violator and the copyright holder can yield positive results for both parties.

Attendees should have successfully completed the course, a "Detailed Study and Analysis of GPL and LGPL", as the material from that course forms the building blocks for this material.

The course is of most interest to lawyers who have clients or employers that deal with Free Software on a regular basis. However, technical managers and executives whose businesses use or distribute Free Software will also find the course very helpful.

These course materials are merely a summary of the highlights of the course presented. Readers of this material should assume that they have missed the bulk of the material, as the detailed discussion of these case studies is the most illuminating part about them. Merely reading this material is akin to matriculating into a college course and read only the textbook instead of going to class.

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# Chapter 1

## Overview of FSF's GPL Compliance Lab

The GPL is a Free Software license with legal teeth. Unlike licenses like the X11-style or various BSD licenses, GPL (and by extension, the LGPL) is designed to defend as well as grant freedom. We saw in the last course that GPL uses copyright law as a mechanism to grant all the key freedoms essential in Free Software, but also to ensure that those freedoms propagate throughout the distribution chain of the software.

### 1.1 Termination Begins Enforcement

As we have learned, the assurance that Free Software under GPL remains Free Software is accomplished through various terms of GPL: §3 ensures that binaries are always accompanied with source; §2 ensures that the sources are adequate, complete and usable; §6 and §7 ensure that the license of the software is always GPL for everyone, and that no other legal agreements or licenses trump GPL. It is §4, however, that ensures that the GPL can be enforced.

Thus, §4 is where we begin our discussion of GPL enforcement. This clause is where the legal teeth of the license are rooted. As a copyright license, GPL governs only the activities governed by copyright law — copying, modifying and redistributing computer software. Unlike most copyright licenses, GPL gives wide grants of permission for engaging with these activities. Such permissions continue and all parties may exercise them until

such time as one party violates the terms of GPL. At the moment of such a violation (i.e., the engaging of copying, modifying or redistributing in ways not permitted by GPL) §4 is invoked. While other parties may continue to operate under GPL, the violating party loses their rights.

Specifically, §4 terminates the violators' rights to continue engaging in the permissions that otherwise granted by GPL. Effectively, their permissions go back to the copyright defaults — no permission is granted to copy, modify, nor redistribute the work. Meanwhile, §5 points out that if if the violator has no rights under GPL — as they will not once they have violated it — then they otherwise have no rights and are prohibited by copyright law from engaging in the activities of copying, modifying and distributing.

## 1.2 Ongoing Violations

In conjunction with §4's termination of violators' rights, there is one final industry fact added to the mix: rarely, does one engage in a single, solitary act of copying, distributing or modifying software. Almost always, a violator will have legitimately acquired a copy a GPL'd program, either making modifications or not, and then began a ongoing activity of distributing that work. For example, the violator may have put the software in boxes and sold them at stores. Or perhaps the software was put up for download on the Internet. Regardless of the delivery mechanism, violators almost always are engaged in *ongoing* violation of GPL.

In fact, when we discover a GPL violation that occurred only once — for example, a user group who distributed copies of a GNU/Linux system without source at one meeting — we rarely pursue it with a high degree of tenacity. In our minds, such a violation is an educational problem, and unless the user group becomes a repeat offender (as it turns out, the never do) we simply forward along an FAQ entry that best explains how user groups can most easily comply with GPL, and send them on there merry way.

It is only the cases of *ongoing* GPL violation that warrant our active attention. We vehemently pursue those cases where dozens, hundreds or thousands of customers are receiving software that is out of compliance, and where the company continually puts for sale (or distributes gratis as a demo) software distributions that include GPL'd components out of compliance. Our goal is to maximize the impact of enforcement and educate industries who are making such a mistake on a large scale.

In addition, such ongoing violation shows that a particular company is committed to a GPL'd product line. We are thrilled to learn that someone is benefiting from Free Software, and we understand that sometimes they have become confused about the rules of the road. Rather than merely giving us a post mortem to perform on a past mistake, an ongoing violation gives us an active opportunity to educate a new contributor the GPL'd commons about proper procedures to contribute to the community.

Our central goal is not, in fact, to merely clear up particular violation. In fact, over time, we hope that our compliance lab will be out of business. We seek to educate the businesses that engage in commerce related to GPL'd software to obey the rules of the road and allow them to operate freely under them. Just as a traffic officer would not revel in reminding people which side of the road to drive on, so we do not revel in violations. By contrast, we revel in the successes of educating an ongoing violator about GPL so that GPL compliance becomes a second-nature matter, allowing that company to join the GPL ecosystem as a contributor.

### 1.3 How are Violations Discovered?

Our enforcement of GPL is not a fund-raising effort; in fact, FSF's GPL Compliance Lab runs at a loss (in other words, it is subsidized by our donors). Our violation reports come from volunteers, who have encountered in their business or personal life, a device or software product that appears to contain GPL'd software. These reports are almost always sent via email to <license-violation@fsf.org>.

Our first order of business, upon receiving such a report, is to seek independent confirmation. When possible, we get a copy of the software product. For example, if it is an offering that is downloadable from a website, we download it and investigate ourselves. When it is not possible for us to actually get a copy of the software, we ask the reporter to go through the same process we would use in examining the software.

By rough estimation, about 95% of violations at this stage can be confirmed by simple commands. Almost all violators have merely made an error and have no nefarious intentions. They have made no attempt to remove our copyright notices from the software. Thus, given the third-party binary, `tpb`, usually, a simple command (on a GNU/Linux system) such as the following will find a Free Software copyright notice and GPL reference:

strings tpb | grep Copyright

In other words, it is usually more than trivial to confirm that GPL'd software is included.

Once we have confirmed that a violation has indeed occurred, we must then determine whose copyright has been violated. Contrary to popular belief, FSF does not have the power to enforce GPL in all cases. Since GPL operates under copyright law, the powers of enforcement — to seek redress once §4 has been invoked — lies with the copyright holder of the software. FSF is one of the largest copyright holders in the world of GPL'd software, but we are by no means the only one. Thus, we sometimes discover that while GPL'd code is present in the software, there is no software copyrighted by FSF present.

In cases where FSF does not hold copyright interest in the software, but we have confirmed a violation, we contact the copyright holders of the software, and encourage them to enforce GPL. We offer our good offices to help negotiate compliance on their behalf, and many times we help as a third party to settle such GPL violations. However, what we will describe primarily in this course is FSF's first-hand experience enforcing its own copyrights and GPL.

## 1.4 First Contact

The Free Software community is built on a structure of voluntary cooperation and mutual help. Our community has learned that cooperation works best when you assume the best of others, and only change policy, procedures and attitudes when some specific event or occurrence indicates that a change is necessary. We treat the process of GPL enforcement in the same way. Our goal is to encourage violators to join the cooperative community of software sharing, so we want to open our hand in friendship to them.

Therefore, once we have confirmed a violation, our first assumption is that the violation is an oversight or otherwise a mistake due to confusion about the terms of the license. We reach out to the violator and ask them to work with us in a collaborative way to bring the product into compliance. We have received the gamut of possible reactions to such requests, and in this course, we examine four specific examples of such compliance work.

# Chapter 2

## Davrik: Modified GCC SDK

In our first case study, we will consider Davrik, a company that produces software and hardware toolkits to assist OEM vendors who produce consumer electronic devices.

### 2.1 Facts

One of Davrik's key products is a Software Development Kit ("SDK") designed to assist developers building software for a specific class of consumer electronics devices.

FSF received a report that the SDK may be based on the GNU Compiler Collection (which is an FSF-copyrighted collection of tools for software development in C, C++ and other popular languages). FSF investigated the claim, but was unable to confirm the violation. The violation reporter was unresponsive to follow-up requests for more information.

Since FSF was unable to confirm the violation, we did not pursue it any further. Bogus reports do happen, and we do not want to burden companies with specious GPL violation complaints. FSF shelved the matter until more evidence was discovered.

FSF was later able to confirm the violation when two additional reports surfaced from other violation reporters, both of whom had used the SDK professionally and noticed clear similarities to FSF's GNU GCC. FSF's Compliance Engineer asked the reporters to run standard tests to confirm the violation, and it was confirmed that Davrik's SDK was indeed a derivative work of GCC. Davrik had ported to Windows and added a number of fea-



tures, including support for a specific consumer device chipset and additional features to aid in the linking process (“LP”) for those specific devices. FSF explained the rights that the GPL afforded these customers and pointed out, for example, that Davrik only needed to provide source to those in possession of the binaries, and that the users may need to request that source (if §3(b) was exercised). The violators confirmed that such requests were not answered.

FSF brought the matter to the attention of Davrik, who immediately escalated the matter to their attorneys. After a long negotiation, Davrik acknowledged that their SDK was indeed a derivative work of GCC. Davrik released most of the source, but some disagreement occurred over whether LP was a derivative work of GCC. After repeated FSF inquiries, Davrik re-audited the source and discovered that FSF’s analysis was correct and determined that LP included a number of source files copied from the GCC code-base.

Once the full software release was made available, FSF asked the violation reporters if it addressed the problem. Reports came back that the source did not properly build. FSF asked Davrik to provide better build instructions with the software, and such build instructions were incorporated into the next software release.

At FSF’s request as well, Davrik informed customers who had previously purchased the product that the source was now available, by announcing the available on its website and via a customer newsletter.

Davrik did have some concerns regarding patents. They wished to include a statement with the software release that made sure they were not granting any patent permission other than what was absolutely required by GPL. They understood that their patent assertions could not trump any rights granted by GPL. The following language was negotiated to be included with the release:

Subject to the qualifications stated below, Davrik, on behalf of itself and its Subsidiaries, agrees not to assert the Claims against you for your making, use, offer for sale, sale, or importation of the Davrik’s GNU Utilities or derivative works of the Davrik’s GNU Utilities (“Derivatives”), but only to the extent that any such Derivatives are licensed by you under the terms of the GNU General Public License. The Claims are the claims of patents that Davrik or its Subsidiaries have standing to enforce that are directly infringed by the making, use, or sale of an Davrik Dis-

tributed GNU Utilities in the form it was distributed by Davrik and that do not include any limitation that reads on hardware; the Claims do not include any additional patent claims held by Davrik that cover any modifications of, derivative works based on or combinations with the Davrik's GNU Utilities, even if such a claim is disclosed in the same patent as a Claim. Subsidiaries are entities that are wholly owned by Davrik.

This statement does not negate, limit or restrict any rights you already have under the GNU General Public License, Version 2.

This quelled Davrik's concerns about other patent licensing they sought to do outside of the GPL'd software, and satisfied FSF's concerns that they give proper permissions to exercise teachings of patents that were exercised in their GPL'd software release.

Finally, a GPL Compliance Officer inside Davrik was appointed who is responsible for all matters of GPL compliance inside the company. Davrik is responsible for informing FSF if the position is given to someone else inside the company, and making sure that FSF has direct contact information with Davrik's Compliance Officer.

## 2.2 Lessons

This case introduces a number of concepts regarding GPL enforcement.

1. **Enforcement should not begin until the evidence is confirmed.** Most companies who distribute GPL'd software do so in compliance, and at times, violation reports are mistaken. Even with extensive efforts in GPL education, many users do not fully understand their rights and the obligations that companies have. By working through the investigation with reporters, the violation can be properly confirmed, and **the user of the software can be educated about what to expect with GPL'd software.** When users and customers of GPL'd products know their rights, what to expect, and how to properly exercise their rights (particularly under §3(b)), it reduces the chances for user frustration and inappropriate community outcry about an alleged GPL violation.

2. **GPL compliance requires friendly negotiation and cooperation.** Often, attorneys and managers are legitimately surprised to find out GPL'd software is included in their company's products. Engineers sometimes include GPL'd software without understanding the requirements. This does not excuse companies from their obligations under the license, but it does mean that care and patience are essential for reaching GPL compliance. We want companies to understand that participating and benefiting from a collaborative Free Software community is not a burden, so we strive to make the process of coming into compliance as smooth as possible.
3. **Confirming compliance is a community effort.** The whole point of making sure that software distributors respect the terms of GPL is to allow a thriving software sharing community to benefit and improve the work. FSF are not the experts on how a compiler for consumer electronic devices should work. We therefore inform the community who originally brought the violation to our attention and ask them to assist in evaluation and confirmation of the product's compliance. Of course, FSF coordinates and oversees the process, but we do not want compliance for compliance's sake; rather, we wish to foster a cooperating community of development around the Free Software in question, and encourage the once-violator to begin participating in that community.
4. **Informing the harmed community is part of compliance.** FSF asks violators to make some attempt — such as via newsletters and the company's website — to inform those who already have the products as to their rights under GPL. One of the key thrusts of GPL's §1 and §3 is to *make sure the user knows she has these rights*. If a product was received out of compliance by a customer, she may never actually discover that she had such rights. Informing customers, in a way that is not burdensome but has a high probability of successfully reaching those who would seek to exercise their freedoms, is essential to properly remedy the mistake.
5. **Lines between various copyright, patent, and other legal mechanisms must be precisely defined and considered.** The most difficult negotiation point of the Davrik case was drafting language that simultaneously protected the Davrik's patent rights outside of the

GPL'd source, but was consistent with the implicit patent grant in GPL. As we discussed in the first course in this series, there is indeed an implicit patent grant with GPL, thanks to §6 and §7. However, many companies become nervous and wish to make the grant explicit to assure themselves that the grant is sufficiently narrow for their needs. We understand that there is no reasonable way to determine what patent claims read on a company's GPL holdings and which do not, so we do not object to general language that explicitly narrows the patent grant to only those patents that were, in fact, exercised by the GPL'd software as released by the company.

# Chapter 3

## Bracken: a Minor Violation in a GNU/Linux Distribution

In this case study, we consider a minor violation made by a company whose knowledge of the Free Software community and its functions is deep.

### 3.1 The Facts

Bracken produces a GNU/Linux operating system product that is sold primarily to OEM vendors to be placed in appliance devices that are used for a single purpose, such as an Internet-browsing-only device. The product is almost 100% Free Software, mostly licensed under GPL and related Free Software licenses.

FSF found out about this violation through a report first posted in a comment on a Slashdot<sup>1</sup> comment, and then was brought to attention again by another Free Software copyright holder who had discovered the same violation.

Bracken's GNU/Linux product is delivered directly from their website. This allowed FSF engineers to directly download and confirm the violation quickly. It was discovered that there were two primary problems with the online distribution:

- No source code nor offer for source code was provided for a number of components for the distributed GNU/Linux system; only binaries were

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<sup>1</sup>Slashdot is a popular news and discussion site for technical readers.

available.

- An End User License Agreement (“EULA”) was included that contradicted the permissions granted by GPL.

FSF contacted Bracken and gave them the details of the violation. Bracken immediately ceased distribution of the product temporarily, and set forth a plan to bring themselves back into compliance. This plan included the following steps:

- Bracken attorneys would rewrite the EULA to comply with GPL, and would vet the new EULA through FSF before use.
- Bracken engineers would provide source side-by-side with the binaries for the GNU/Linux distribution on the site (and on CD’s, if ever they distributed that way).
- Bracken attorneys would run an internal seminar for its engineers regarding proper GPL compliance, to help ensure that such oversights regarding source releases would not occur in the future.
- Bracken would resume distribution of the product only after FSF formally restored Bracken’s distribution rights.

This case was completed in the matter of about a month. FSF approved the new EULA text. The key portion in the EULA relating to GPL read as follows:

Many of the Software Programs included in Bracken Software are distributed under the terms of agreements with Third Parties (“Third Party Agreements”) which may expand or limit the Licensee’s rights to use certain Software Programs as set forth in [this EULA]. Certain Software Programs may be licensed (or sublicensed) to Licensee under the GNU General Public License and other similar license agreements listed in part in this section which, among other rights, permit the Licensee to copy, modify and redistribute certain Software Programs, or portions thereof, and have access to the source code of certain Software Programs, or portions thereof. In addition, certain Software Programs, or portions thereof, may be licensed (or sublicensed) to Licensee

under terms stricter than those set forth in [this EULA]. The Licensee must review the electronic documentation that accompanies certain Software Programs, or portions thereof, for the applicable Third Party Agreements. To the extent any Third Party Agreements require that Bracken provide rights to use, copy or modify a Software Program that are broader than the rights granted to the Licensee in [this EULA], then such rights shall take precedence over the rights and restrictions granted in this Agreement solely for such Software Programs.

FSF restored Bracken's distribution rights shortly after the work was completed as described.

## 3.2 Lessons Learned

This case was probably the most quickly and easily resolved of all GPL violations in the history of FSF's Compliance Lab. The ease with which the problem was resolved shows a number of cultural factors that play a role in GPL compliance.

1. **Companies that understand Free Software culture better have an easier time with compliance.** Bracken's products were designed and built around the GNU/Linux system and Free Software components. Their engineers were deeply familiar with the Free Software ecosystem, and their lawyers had seen and reviewed GPL before. The violation was completely an honest mistake. Since the culture inside the company had already adapted to the cooperative style of resolution in the Free Software world, there was very little work for either party to bring the product into compliance.
2. **When people in key positions understand the Free Software nature of their software products, compliance concerns are as mundane as minor software bugs.** Even the most functional system or structure has its problems, and successful business often depends on agile response to the problems that do come up; avoiding problems altogether is a pipe dream. Minor GPL violations can and do happen even with well-informed redistributors. However, when the company — and in particular, the lawyers, managers, and engineers working on the

Free Software product lines — have adapted to the cooperative Free Software culture, resolving such problems is merely a mundane detail of typical operation and resolution is reached quickly.

3. **Legally, distribution must stop when a violation is identified.** In our opinion, Bracken went above and beyond the call of duty by ceasing distribution while the violation was being resolved. Under GPL §4, the redistributor loses the right to distribute the software, and thus they are in ongoing violation of copyright law if they distribute before rights are restored. It is FSF's policy to temporarily allow distribution while compliance negotiations are ongoing and only in the most extreme cases (where the other party appears to be negotiating in bad faith) does FSF even threaten an injunction on copyright grounds. However, Bracken — as a good Free Software citizen — chose to be on the safe side and do the legally correct thing while the violation case was pending. Since from start to finish it took less than a month to resolve, this lapse in distribution did not, to FSF's knowledge, impact Bracken's business in any way.
4. **EULAs are a common area for GPL problems.** Often, EULAs are drafted from boilerplate text that a company uses for all its products. Even the most diligent attorneys forget or simply do not know that a product contains software licensed under GPL and other Free Software licenses. Drafting a EULA that accounts for such licenses is straightforward; the text quoted above works just fine. The EULA must be designed so that it does not trump and rights and permissions already granted by GPL, and it clearly state that if there is a conflict between the EULA and GPL, with regard to GPL'd code, that the GPL is the overriding license.
5. **Compliance Officers are rarely necessary when companies are educated about GPL compliance.** As we saw in the Davrik case, FSF asks that a formal "GPL Compliance Officer" be appointed inside a previously violating organization to shepherd the organization to a cooperative approach with regard to GPL compliance. However, when FSF sees that an organization already has such an approach, there is no need to request that such an officer be appointed.



# Chapter 4

## Vigorien: Security, Export Controls, and GPL Compliance

This case study introduces how concerns of “security through obscurity” and regulatory problems can impact GPL compliance matters.

### 4.1 The Facts

Vigorien distributes a backup solution product that allows system administrators to create encrypted backups of file-systems on Unix-like computers. The product is based on GNU tar, a backup utility that replaces the standard Unix utility, “tar”, but has additional features.

Vigorien’s backup solution added cryptographic features to GNU tar, and included a suite of utilities and graphical user interfaces surrounding GNU tar to make backups convenient.

FSF discovered the violation from a user report, and determined that the cryptographic features were the only part of the product that constituted a derivative work of GNU tar; the extraneous utilities merely made “shell” calls out to GNU tar. FSF requested that Vigorien come into compliance with GPL by releasing the source of GNU tar, with the cryptographic modifications, to its customers.

Vigorien released the original GNU tar sources, but kept the cryptographic modifications proprietary. They argued that the security of their system depending on keeping the software proprietary and that regardless, USA export restrictions on cryptographic software prohibited such a release.

FSF disputed the first claim, pointing out that Vigorien had only one option if they did not want to release the source: they would have to remove GNU tar from the software and not distribute it further. Vigorien rejected this suggestion, since GNU tar was an integral part of the product and the security changes were useless without GNU tar.

Regarding the export control claims, FSF proposed a number of options, including release of the source from one of Vigorien's divisions overseas where no such restrictions occurred, but Vigorien argued that the problem was insoluble because they operated primarily in the USA.

The deadlock on the second issue was resolved when those cryptographic export restrictions were lifted shortly thereafter, and FSF again raised the matter with Vigorien. At that point, they dropped the first claim and agreed to release the remaining source module to their customers. They did so, and the violation was resolved.

## 4.2 Lessons Learned

1. **Removing the GPL'd portion of the product is always an option.** Many violators' first response is to simply refuse to release the source code as GPL requires. FSF offers the option to simply remove the GPL'd portions from the product and continue along without them indefinitely. Every case where this has been suggested has led to the same conclusion. Like Vigorien, the violator argues that the product cannot function without the GPL'd components and they cannot effectively replace them.

Such an outcome is simply further evidence that the combined work in question is indeed a derivative work of the original GPL'd component. If the other components cannot stand on their own and be useful without the GPL'd portions, then one cannot effectively argue that the work as a whole is not a derivative of the GPL'd portions.

2. **The whole product is not always covered.** In this case, Vigorien had additional works aggregated. The backup system was a suite of utilities, some of which were GPL and some of which were not. While the cryptographic routines were tightly coupled with GNU tar and clearly derivative works, the various GUI utilities were separate

and independent works merely aggregated with the distribution of the GNU-tar-based product.

3. **“Security” concerns do not exonerate a distributor from GPL obligations, and “security through obscurity” does not work anyway.** The argument that “this is security software, so it cannot be released in source form” is not a valid defense for explaining why the terms of the GPL are ignored. If companies do not want to release source code for some reason, then they should not base the work on GPL’d software. No external argument for non-compliance can hold weight if the work as whole is indeed a derivative work of a GPL’d program.

The “security concerns” argument is often floated as a reason to keep software proprietary, but the computer security community has on numerous occasions confirmed that such arguments are entirely specious. Security experts have found — since the beginnings of the field of cryptography in the ancient world — that sharing results about systems and having such systems withstand peer review and scrutiny builds the most secure systems. While full disclosure may help some who wish to compromise security, it helps those who want to fix problems even more by identifying them early.

4. **External regulatory problems can be difficult to resolve.** GPL, though grounded in copyright law, does not have the power to trump regulations like export controls. While Vigorien’s “security concerns” were specious, their export control concerns were not. It is indeed a difficult problem that FSF acknowledges. We want compliance with GPL and respect for users’ freedoms, but we certainly do not expect companies to commit criminal offenses for the sake of compliance. We will see more about this issue in our next case study.

# Chapter 5

## Haxil, Polgara, and Thesulac: Mergers, Upstream Providers and Radio Devices

This case study considers an ongoing (at the time of writing) violation that has occurred. By the end of the investigation period, three companies were involved and many complex issues arose.

### 5.1 The Facts

Haxil produced a consumer electronics device which included a mini GNU/Linux distribution to control the device. The device was of interest to many technically minded consumers, who purchased the device and very quickly discovered that Free Software was included without source. Mailing lists throughout the Free Software community erupted with complaints about the problem, and FSF quickly investigated.

FSF confirmed that FSF-copyrighted GPL'd software was included. In addition, the whole distribution included GPL'd works from hundreds of individual copyright holders, many of whom were, at this point, up in arms about the violation.

Meanwhile, Haxil was in the midst of being acquired by Polgara. Polgara was as surprised as everyone else to discover the product was based on GPL'd software; this fact had not been part of the disclosures made during acquisition. FSF contacted both Haxil and Polgara, and product managers who had

transitioned into the “Haxil division” of the newly-merged Polgara company and Polgara’s General Counsel’s office worked with FSF on the matter.

FSF meanwhile formed a coalition with the other primary copyright holders to pursue the enforcement effort on their behalf. FSF communicated directly with Polgara’s representatives to begin working through the issues on behalf of FSF itself and the Free Software community at large.

Polgara pointed out that the software distribution they used was mostly contributed by an upstream provider, Thesulac, and Haxil’s changes to that code base were minimal. Polgara negotiated with Thesulac to obtain the source, although the issue was moving very slowly in the channels between Polgara and Thesulac.

FSF encouraged a round-table meeting so that high bandwidth communication could occur between FSF, Polgara and Thesulac. Polgara and Thesulac agreed, and that discussion began. Thesulac provided nearly complete sources to Polgara, and Polgara made a full software release on their website. At the time of writing, that software still has some build problems (similar those that occurred with Davrik, as described in Section 2.1). FSF continues to negotiate with Polgara and Thesulac to resolve these problems, which have a clear path to solution and are expected to resolve.

Similar to the Vigorien case, Thesulac has regulatory concerns. In this case, it is not export controls — an issue that has since been resolved — but radio spectrum regulation. Since this consumer electronic device contains a software-programmable radio transmitter, regulations in (at least) the USA and Japan prohibit release of those portions of the code that operate the device. Since this is a low-level programming issue, the changes to operate the device are a derivative work of the kernel named Linux. This situation remains unresolved at the time of writing, although FSF continues to negotiate with Thesulac and the Linux community regarding the problem.

## 5.2 Lessons Learned

1. **Community outrage, while justified, can often make negotiation more difficult.** FSF has a strong policy never to publicize names of GPL violators if they are negotiating in a friendly way and operating in good faith toward compliance. Most violations are honest mistakes, and FSF sees no reason to publicly admonish violators who genuinely see to come into compliance with GPL and to work hard staying in

compliance.

This case was so public in the Free Software community that both Haxil's and Polgara's representatives were nearly shell-shocked by the time FSF began negotiations. There was much work required to diffuse the situation. We empathize with our community and their outrage about GPL violations, but we also want to follow a path that leads expediently to compliance. In our experience, public outcry works best as a last resort, not the first.

2. **For software companies, GPL compliance belongs on a corporate acquisition checklist.** Polgara was truly amazed that Haxil had used GPL'd software in a major new product line but never informed Polgara during the acquisition process. While GPL compliance is not a particularly difficult matter, it is an additional obligation that comes along with the product line. When planning mergers and joint ventures, one should include lists of GPL'd components contained in the products discussed.
3. **Compliance problems of upstream providers do not excuse a violation for the downstream distributor.** To paraphrase §6, upstream providers are not responsible for enforcing compliance of their downstream, nor are downstream distributors responsible for compliance problems of upstream providers. However, engaging in distribution of GPL'd works out of compliance is still just that: a compliance problem. When FSF carries out enforcement, we are patient and sympathetic when the problem appears to be upstream. In fact, we urge the violator to point us to the upstream provider so we may talk to them directly. In this case we were happy to begin negotiations with Thesulac. However, Polgara still has an obligation to bring their product into compliance, regardless of Thesulac's response.
4. **It behooves upstream providers to advise downstream distributors about compliance matters.** FSF has encouraged Thesulac to distribute a "good practices for GPL compliance" document with their product. Polgara added various software components to Thesulac's product, and it is conceivable that such additions can introduce compliance. In FSF's opinion, Thesulac is no way legally responsible for such a violation introduced by their customer, but it behooves them

from a marketing standpoint to educate their customers about using the product. We can argue whether or not it is your coffee vendor's fault if you burn yourself with their product, but (likely) no one on either side would dispute the prudence of placing a "caution: hot" label on the cup.

5. **FSF enforcement often avoids redundant enforcement cases from many parties.** Most Free Software systems have hundreds of copyright holders. Some have thousands. FSF is in a unique position as one of the largest single copyright holders on GPL'd software and as a respected umpire in the community neutrally enforcing the rules of the GPL road. FSF works hard in the community to convince copyright holders that consolidating GPL claims through FSF is better for them, and more likely to yield positive compliance results.

A few copyright holders engage in the "proprietary relicensing" business, so they use GPL enforcement as a sales channel for that business. FSF, as a community-oriented not-for-profit organization, seeks only to preserve the freedom of Free Software in its enforcement efforts. As it turns out, most of the community of copyright holders of Free Software want the same thing. Share and share alike is a simple rule to follow, and following that rule to FSF's satisfaction usually means you are following it to the satisfaction of the entire Free Software community.

# Chapter 6

## Good Practices for Compliance

Generally, from the experience of GPL enforcement, we glean the following general practices that can help in GPL compliance for organizations that distribute products based on GPL'd software:

1. Talk to your software engineers and ask them where they got the components they use in the products they build. Find out if GPL'd components are present.
2. Teach your engineering staff to pay attention to license documents. Give them easy-to-follow policies to get approval for using a Free Software component.
3. Build a “Free Software Licensing” committee that handles requests and questions about GPL and other Free Software licenses.
4. Add “What parts of your products are under GPL or other Free Software licenses?” to your checklist of questions to ask when you consider mergers, acquisitions, or joint ventures.
5. Encourage your engineers to participate collaboratively with GPL'd software development. The more knowledge about the Free Software world your organization has, the better equipped it is to deal with this rapidly changing field.
6. When someone points out a potential GPL violation in one of your products, do not assume the product line is doomed. GPL is not a virus; merely having GPL'd code in one part of a product does not



necessarily mean that every related product must also be GPL'd. And, even if some software needs to be released that was not before, the product will surely still survive. In FSF's enforcement efforts, we have not yet seen a product line die because source was released to customers in compliance with GPL.