

The Rebel Alliance

Memorandum

To: Leia Organa

From: David Kartchner

Introduction/Administrator Access on the Server

There have been a lot of changes made to the Rebel Alliance server, and you should see an improvement in security immediately. Imperial agents were discovered on the server, but their access was revoked. Darth Kate was on the server and had access to the Rebel Fleet locations, but her access was revoked as well. There were also several Rebel agents that had administrator access on the server that did not need to (if someone has administrator access, they have access to anything on the server that they want, and they can do anything to the server that they want). As a rule of thumb, it's very important to only allow people that absolutely need admin access to have it. As an example of what can happen if admin access is not tightly controlled, Han Solo had accidental admin access he didn't need on the Rebel Alliance server. His account was hacked into by Imperial forces, and because he had admin access, they were able to control everything on the server. According to the Rebel documentation, only you, Bail Organa, and General Draven should have admin access. Accounts were made for you and Bail, as they weren't on the server yet, and login details should have been sent to you already. As requested, Luke Skywalker was sent the Death Star plans, you received access to the Echo Base plans, and Admiral Ackbar was given access to the Rebel Fleet locations. Having such sensitive information on a server makes it especially important to control who has access to which files, and which users have admin capabilities.

Access to the Server

It's also important to only allow authorized users onto the server, even if they don't have admin control (a "user" on the server would be someone with an account that can log in and access information). Rebel documentation again listed Mon Mothma, Admiral Raddus, Han Solo, Luke Skywalker, Admiral Ackbar, and Captain Rex as the only users that need access to this server. Obi Wan Kenobi and Jar Jar Binks had accounts that they didn't need, and have been removed. If they need information from the server, they should be able to get it from an existing user without needing to make a new account. If user accounts aren't controlled tightly, it can be very easy for an Imperial hacker to make a fake account under someone's name and infiltrate the server.

Security Fixes

The server also has had its security features upgraded as well. A firewall was installed, which acts as a layer of protection between the server and malicious attacks. We also swept through everything on the server and found several malicious files planted by Imperial hackers in the past that allowed them easy access to the server whenever they wanted, as they acted as an unsupervised "backdoor" into the system. It's not possible to guard against every attack, so in the future, your security team should regularly sweep the server to find and remove any backdoors planted by the Empire.

Password Security

The last thing that should be brought up is the state of password security. Every user on the server had the same default password, which is not good for security. Passwords have not been changed for any user yet, but we would strongly encourage you to have every user change their password. With the amount of highly sensitive information on this server, it is crucial that their passwords be difficult to crack. We recommend at least 16 characters for their passwords, avoiding common strings like "1234", their birthday, or their name in their passwords, and we recommend that they change their passwords often.

Conclusion/Recommendations

In conclusion, we recommend that you have your security team regularly update the server's security features and make sure that they haven't been compromised. Keep a record of who is supposed to be on the server, and what they are supposed to have access to, and keep it updated. In addition, don't give users access to areas on the server or files they don't need and make sure users change their passwords regularly

and make them at least 16 characters long. Following these recommendations will keep the server safe from Imperial forces.