

# Portal allowing to delete firewall rule with resource lock enabled

Last updated by | Subbu Kandhaswamy | Sep 15, 2021 at 8:59 AM PDT

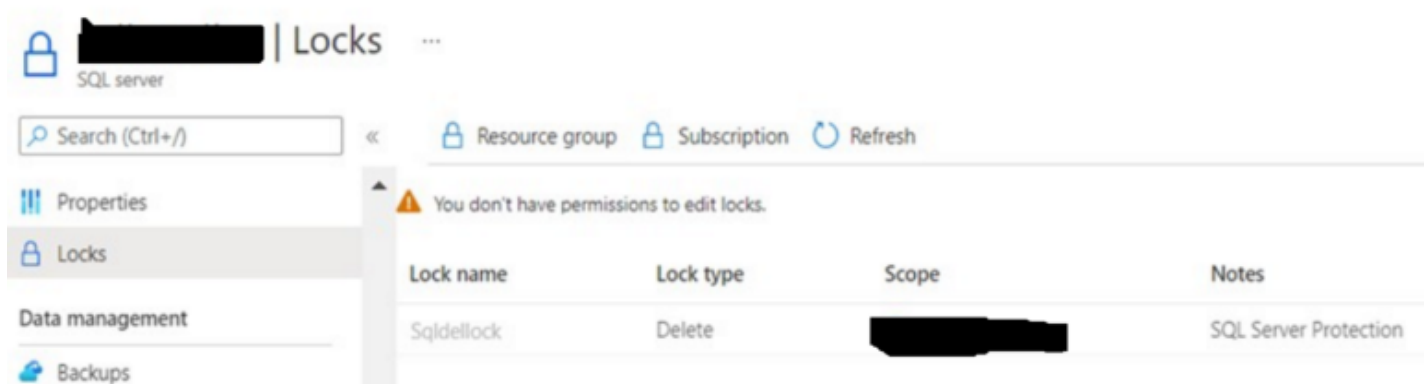
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## Issue

Customer created a resource lock on his SQL server to prevent updates on the resource from users. User when attempted to delete firewall rule using PowerShell it failed , which is the expected behavior. However, it allowed the user to delete the firewall rule from portal UI which should not be the case.

- **Resource Lock**



- **PowerShell**

```

1 Connect-AzAccount
2 $sub = Get-AzSubscription -SubscriptionId [REDACTED]
3 Set-AzContext -Subscription $sub.Name
4 Remove-AzSqlServerFirewallRule -FirewallRuleName [REDACTED] -ResourceGroupName [REDACTED] -ServerName [REDACTED]

```

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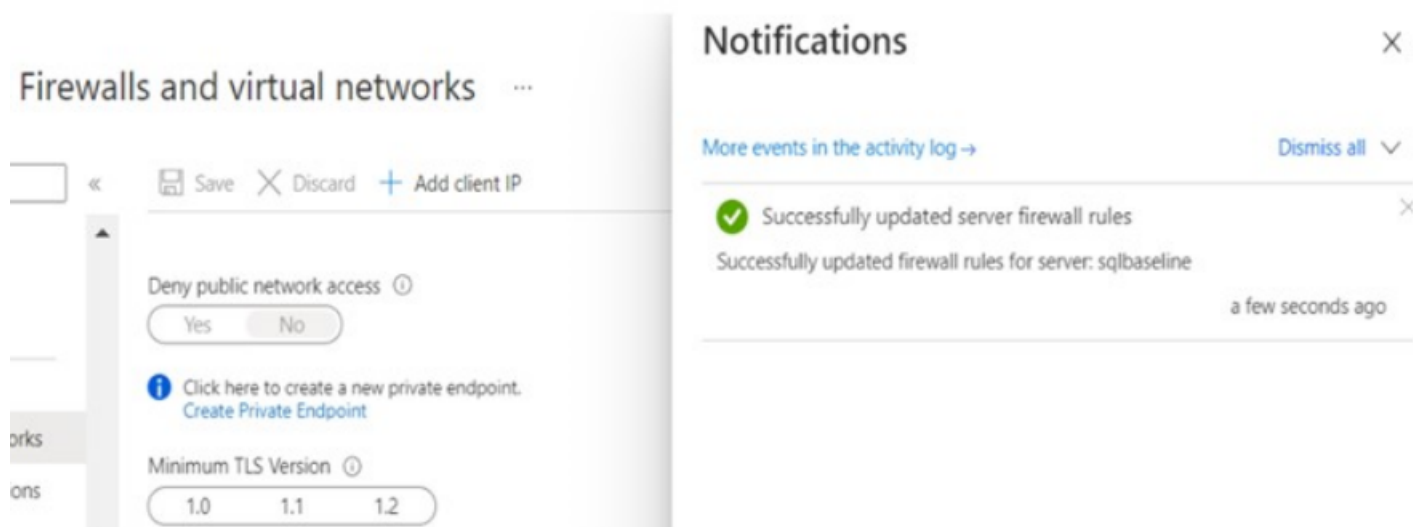
```

PS C:\Users\v-shubpa> $sub = Get-AzSubscription -SubscriptionId 'bb08403f-3bda-459e-bdcf-72b5a343f9da'
Set-AzContext -Subscription $sub.Name
Remove-AzSqlServerFirewallRule -FirewallRuleName 'Test-V-Shubpa' -ResourceGroupName 'DeploymentResources0' -ServerName 'sqlbaseline'

Name                               Account                               SubscriptionName                     Environment                         TenantId
----                               -
FastTrack - Notes - Security - Test (...) v-shubpa@microsoft.com               FastTrack - Notes - Security - Test AzureCloud                         72f988bf-86f1-41af-91ab-2d7cd011db47
Remove-AzSqlServerFirewallRule : Cannot perform delete operation because following scope(s) are locked: '/subscriptions/72f988bf-86f1-41af-91ab-2d7cd011db47/resourceGroups/DeploymentResources0/providers/Microsoft.Sql/servers/sqlbaseline' Please remove the lock and try again.
At line:3 char:1
+ Remove-AzSqlServerFirewallRule -FirewallRuleName 'Test-V-Shubpa' -Res ...
+ ~~~~~
+ CategoryInfo          : CloseError: (:) [Remove-AzSqlServerFirewallRule], CloudException
+ FullyQualifiedErrorId : Microsoft.Azure.Commands.Sql.FirewallRule.Cmdlet.RemoveAzureSqlServerFirewallRule

```

- **Portal UI**



## Cause

At current version of Portal uses collection PUT API to save all firewall rules, so when customer deletes firewall rule, instead of doing DELETE operation it is execute PUT operation with all of the firewall rules that are left. This is what causes portal to by pass locks for firewall rules.

## Next Steps

We have plans for future to redesign this Networking page and change this behavior to do individual requests for each firewall rule change. However the issue may not be fixed entirely

## Additional Info

Technically Firewall rules are from Data plane(T-SQL), but there is also an API that goes through Control plane (API requests) and locks are not working for any updates from Data plane, so even if we fix the issue from Portal (which we still plan to do later) customers can always update firewall rules through T-SQL commands which bypasses locks/policies by design

**How good have you found this content?**

