

File size reduced automatically

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Issue

When the customer looks into the file allocated space, he sees that the size is being reduced without intervention.

Investigation/Analysis

First look into the shrink events, since it could be some kind of process that the customer is not aware.

```
MonSqlShrinkInfo | where LogicalServerName == "azuresqlmi2" | where logical_database_name =~ "adw2016" | where  
TIMESTAMP > ago(30d)
```

If nothing is noticed in terms of user initiated shrink operations, we should look to automatic shrinks.

Now looking for automatic shrink, check if customer has auto shrink. On this case, the value is 1 (true).

```
select name, is_auto_shrink_on from sys.databases where name = 'archetype_rimarqu'
```

Mitigation

Disable auto-shrink.

```
ALTER DATABASE [<database_name>] SET AUTO_SHRINK OFF WITH NO_WAIT
```

Make customer aware that shrink operations have an impact on CPU and IO. Also shrink operations fragment indexes.

Internal reference

[341689418](#) 

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