

Firebase



요즘 누가 유료로 웹서비스 구축 하나, 파이어 베이스의 모든 것-JAVASCRIPT

David . 2021.02.01



Firestore Cloud Function 실습

- ▶ Node.js 설치
- ▶ Firebase Init function 설치
- ▶ Function 내 DB접속

Project settings

General Cloud Messaging Integrations **Service accounts** Data privacy Users and permissions

[Manage service account permissions](#) 

Firebase Admin SDK


Legacy credentials

Database secrets

Other service accounts

3 service accounts from Google Cloud

Firebase Admin SDK

Your Firebase service account can be used to authenticate multiple Firebase features, such as Database, Storage and Auth, programmatically via the unified Admin SDK. [Learn more](#) 

Firebase service account

firebase-adminsdk-a3a50@david-zzang-31328.iam.gserviceaccount.com

Admin SDK configuration snippet

Node.js Java Python Go

```
var admin = require("firebase-admin");  
  
var serviceAccount = require("path/to/serviceAccountKey.json");  
  
admin.initializeApp({  
  credential: admin.credential.cert(serviceAccount)  
});
```



Generate new private key

Firestore Admin Key 생성

```
{
  "type": "service_account",
  "project_id": "david-zzang-31328",
  "private_key_id": "8daf45506c17bad0d5fe7b60e0a762bdd5d6d02a",
  "private_key": "-----BEGIN PRIVATE KEY-----
\nMIIEvQIBADANBgkqhkiG9w0BAQEFAASCBKcwggSjAgEAAoIBAQCzp4/5aE9led1t\nPkvk568tix/Lg0ETpinb1luyZzcz1yF+g0+AvMP/UwsLmYpQQNiU7SrZgMMLPZr3\n\nWhh2VL16TiWEir0AXxkFVhtom7NDX8HnuuxjUnUzVYwV0ipjv1aM3FIePWBIAwv\n\nZ7D5KpZdn9SJqyVrhTLYwsnsYLT6Muu4zFLrQ1v+TSpvBDL3aQW2ZtWmiRzP87dm\n\n9Z9By8y9Vr9B5JSetH2NuTuVXtzo38LIIigpT7bFH9vCXj8M3X00GC/Y5S181BEL\n\n\nnnfg3+poHWL4No5dpU5IJwiVcmj+M0hSJrFDuzpsbv9vd3BrgSNPRuyVx\n\nLZBgYkIH\n\n\nfRPCI sKHA gMBAAE CggEAF IGNSP oT i fE p i ZU h Q 4 0 Ab V Hi f K + G w V / n i j V 0 3 P 2 0 C t p E \n n 6 / Q a o l a p h o S 7 j 4 T k i T m F n y Y d H u K h 8 d t 3 0 r s 3 0 D a S d I 0 r T z J u u w A / 0 m C c 0 0 n + Y b P \n n V 5 b X r 0 o B w e T 4 L R u D V z t H E f k q N o v 7 9 d + K C I U s 6 Z v n U u N x 9 o 7 0 9 C F e R N f j B X S a Y 6 5 n \n n t G T k m j E 0 V e 9 J f v g j P X e u C o q L 2 f 9 h F k M w r h S a d G T C q a s 8 s Z d q R V n r G u j 2 C j J r S F L 2 \n n Z q 2 V k / H p B 0 m U 0 V w L Y y 0 n f v W / g l N 0 i b K 4 k S H N d Y E 1 P X Z U j j 0 I 4 k s n s 9 g 0 T H + C Z f V F \n n l u b J 6 m + 0 H F C k 2 0 b n s Q i Z 0 I 4 a E 0 6 9 P U F 4 w r S E e Y b y X Q K B g Q D 6 s H L / 6 X E r X 2 L j L 7 u B \n n H Y c X E W t L V d a F z M s o + m 2 i 3 x 4 9 X U 9 q Y q d P y 6 t G b H u i 6 5 c J R / A 3 a p n 5 w 7 K R / T w 0 u k A f \n n w H b I 0 C M a m f L / W p Q v s V + M R f K h j 7 e Y m h D x L K K C 3 w h d J w j N e b 0 z M X h h c X p U e q A 8 E 2 P a \n n f k R q g B z p v g g 3 Z 3 X t z R Y o 5 n B + E w K B g Q C 3 d d / E R 7 G V r f g A + u L X i s D x 0 f Q l f S n N j V o \n n p n 5 8 7 L B u z E K X m C O F c a 8 k y u U 8 b b 0 q y K A U c / C E L J U w G g u G 9 H q Q v T a p v Z H + T B s M P D / n \n n y p V B 9 h S t A F W d 0 d X K E t 7 i D 9 j n A D W d f A b H 3 m H I M D F v n X P 6 B D Y U V 0 L x p 7 6 e 1 5 y s W u 2 7 \n n R / A t k Q 9 o P Q K B g Q C 4 K n y x i L v 9 E x x A r s Z f 0 m Q 0 D F v 4 g l 0 Q + r y d p C x 7 J N L A X h a D n 2 o u \n n 8 v 8 m w 3 e o 3 s 6 c o N 7 W t 1 f a 5 2 v + W D j K X A X T z b 7 2 F A J V / p d I B T E s Q H B j S t f 0 3 R g R 4 c 1 k \n n g F f 7 M Q K h / J U 4 7 p m X o V Z A r + 8 g t N 2 W h 0 A s m e q F G w 0 i o t r C a R 1 3 z 9 z h u z k V R Q K B G A + 0 \n n U i P 9 h E R R 1 Q a Y P 2 X R a M A A E T v x i y Y m h Y 7 T F 0 S W e T t b 3 I W o I 9 L r 2 d L / 1 U I z d + f J z T E 0 \n n x 6 U d d q T 2 g G W 4 E z B 0 q s 9 n 9 a I f Z + e 4 s B 6 C Y f e 0 2 x / 0 0 E 5 C f a M 9 y G J Y v 6 a 0 s P 0 i i B y o \n n c Z g c 5 g 0 1 0 K C x f L h q 0 c V V 2 0 b 1 F 1 b R + v h 3 W B k 1 B J 5 t A o G A X F s d 1 9 F w 7 b i S l x + 0 z d I Z \n n y o l D n G / 7 0 s V H 4 L S q E v y K c v k l E p e m a R S 5 l F 0 6 8 J d Y m n / D V 2 1 z l i h C N y T e Z 0 a X + 9 a M \n n b H I 6 a Z N T M G v 0 5 o J J o A k s r r V 5 V H X B s p b b 1 m / A c L Y p U d R X a T 0 D h Q r j D M Q p o i P u q o w c \n n I I n 0 x B p i 8 s E k o X S e c N e b 8 U 4 = \n -----END PRIVATE KEY-----\n",
  "client_email": "firebase-adminsdk-a3a50@david-zzang-31328.iam.gserviceaccount.com",
  "client_id": "105690056105775927624",
  "auth_uri": "https://accounts.google.com/o/oauth2/auth",
  "token_uri": "https://oauth2.googleapis.com/token",
  "auth_provider_x509_cert_url": "https://www.googleapis.com/oauth2/v1/certs",
  "client_x509_cert_url": "https://www.googleapis.com/robot/v1/metadata/x509/firebase-adminsdk-a3a50%40david-zzang-31328.iam.gserviceaccount.com"
}
```


Firestore Admin DB 문법

```
// Update
var mRef = db.collection('bbs').doc(_id);

mRef.update({

...

}).then(function () {

});
// Update 2
db
.collection("bbs")
.doc(_id)
.set(
{

...

},
{ merge: true }
)
.then(function () { });
// Delete
db.collection("bbs").doc(_id).delete().then(function() {
console.log("Document successfully deleted!");
}).catch(function(error) {
console.error("Error removing document: ", error);
});
```

Firestore Admin DB 문법

```
const functions = require('firebase-functions');

var admin = require("firebase-admin");

var serviceAccount = require("./david-zzang.json");

admin.initializeApp({
  credential: admin.credential.cert(serviceAccount)
});

var db = admin.firestore();
exports.helloWorld = functions.https.onRequest((request, response) => {

var _idx = 0;
db.collection("bbs")
  .get()
  .then((querySnapshot) => {
    querySnapshot.forEach((doc) => {

      _idx++;
    })

    response.send("BBS Count is [" + _idx + "]);
  })
});
```