A few policy examples

Enforcing prefix equal to the name of the user:

```json
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Action": ["s3:ListBucket"],
      "Effect": "Allow",
      "Resource": ["arn:aws:s3:::gatitos"],
      "Condition": {"StringLike": {"s3:prefix": ["${aws:username}/*"]}}
    },
    {
      "Action": [
        "s3:GetObject",
        "s3:PutObject"
      ],
      "Effect": "Allow",
      "Resource": ["arn:aws:s3:::gatitos/${aws:username}/*"]
    }
  ]
}
```

Grating access from another account

```json
{
  "Version":"2012-10-17",
  "Statement":[
    {
      "Sid":"AddCannedAcl",
      "Effect":"Allow",
    "Principal": {"AWS":
["arn:aws:iam::111122223333:root","arn:aws:iam::444455556666:root"]},
      "Action":["s3:PutObject","s3:PutObjectAcl"],
      "Resource":"arn:aws:s3:::DOC-EXAMPLE-BUCKET/*",
      "Condition":{"StringEquals":{"s3:x-amz-acl":["public-read"]}}
    }
  ]
}
```

Granting public read access (dangerous!)

```json
{
  "Version":"2012-10-17",
  "Statement":[
    {
      "Sid":"PublicRead",
      "Effect":"Allow",
```

```
      "Principal": "*",
      "Action":["s3:GetObject","s3:GetObjectVersion"],
      "Resource":["arn:aws:s3:::DOC-EXAMPLE-BUCKET/*"]
    }
  ]
}
```

Granting access from IP

```
{
  "Version": "2012-10-17",
  "Id": "S3PolicyId1",
  "Statement": [
    {
      "Sid": "IPAllow",
      "Effect": "Deny",
      "Principal": "*",
      "Action": "s3:*",
      "Resource": [
          "arn:aws:s3:::DOC-EXAMPLE-BUCKET;",
        "arn:aws:s3:::DOC-EXAMPLE-BUCKET/*"
      ],
      "Condition": {
      "NotIpAddress": {"aws:SourceIp": "54.240.143.0/24"}
      }
    }
  ]
}
```

Granting access from Cloudfront

```
{
    "Version": "2012-10-17",
    "Id": "PolicyForCloudFrontPrivateContent",
    "Statement": [
        {
            "Effect": "Allow",
            "Principal": {
                "AWS": "arn:aws:iam::cloudfront:user/CloudFront Origin Access Identity
EH1HDMB1FH2TC"
            },
            "Action": "s3:GetObject",
            "Resource": "arn:aws:s3:::DOC-EXAMPLE-BUCKET/*"
        }
    ]
}
```

Enforcing MFA

```
{
    "Version": "2012-10-17",
    "Id": "123",
    "Statement": [
      {
        "Sid": "",
        "Effect": "Deny",
        "Principal": "*",
        "Action": "s3:*",
        "Resource": "arn:aws:s3:::DOC-EXAMPLE-BUCKET/taxdocuments/*",
        "Condition": { "Null": { "aws:MultiFactorAuthAge": true }}
      }
    ]
}
```

More examples

https://docs.aws.amazon.com/AmazonS3/latest/dev/example-bucket-policies.html