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ImportKeyPair

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Imports the public key from an RSA or ED25519 key pair that you created using a third-party tool. You give AWS only the public key. The private key is never transferred between you and AWS.

For more information about the requirements for importing a key pair, see Create a key pair and import the public key to Amazon EC2 in the Amazon EC2 User Guide.

Request Parameters

The following parameters are for this specific action. For more information about required and optional parameters that are common to all actions, see Common Query Parameters.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Type: Boolean

Required: No

KeyName

A unique name for the key pair.

Type: String

Required: Yes

PublicKeyMaterial

The public key.

Type: Base64-encoded binary data object

Required: Yes

TagSpecification.N

The tags to apply to the imported key pair.

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Response Elements

The following elements are returned by the service.

keyFingerprint

- For RSA key pairs, the key fingerprint is the MD5 public key fingerprint as specified in section 4 of RFC 4716.
- For ED25519 key pairs, the key fingerprint is the base64encoded SHA-256 digest, which is the default for OpenSSH, starting with OpenSSH 6.8 .

Type: String

keyName

The key pair name that you provided.

Type: String

keyPairId

The ID of the resulting key pair.

Type: String

requestId

The ID of the request.

Type: String

tagSet

The tags applied to the imported key pair.

Type: Array of Tag objects

Errors

For information about the errors that are common to all actions, see Common client error codes.

Examples

Example

This example imports the public key named my-key-pair, and applies a tag with a key of purpose and a value of production.

Sample Request

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<u>UZ4XLNY308IIADPZ1CATQ13DN7Z3C7Z</u> BgkqhkiG9w0BCQEWEG5vb251QGFtYX MTIwNDI0MjA0NTIxWjCBiDELMAkGA1 VQQHEwdTZWF0dGx1MQ8wDQYDVQQKEw b2x1MRIwEAYDVQQDEw1UZXN0Q21sYW YXpvbi5jb20wgZ8wDQYJKoZIhvcNAQ 21uUSfwfEvySWtC2XADZ4nB+BLYgVI rDHudUZg3qX4waLG5M43q7Wgc/MbQI Ibb3OhjZnzcvQAaRHhdlQWIMm2nrAg nUhVVxYUntneD9+h8Mg9q6q+auNKyE FFBjvSfpJIlJ00zbhNYS5f6GuoEDmF NYiytVbZPQUQ5Yaxu2jXnimvw3rrsz &TagSpecification.1.ResourceTy &TagSpecification.1.Tag.1.Key= &TagSpecification.1.Tag.1.Valu **&AUTHPARAMS**

Sample Response

```
<ImportKeyPairResponse xmlns="</pre>
    <requestId>7a62c49f-347e-4
    <keyName>my-key-pair</keyN
    <keyPairId>key-abced1234eE
    <keyFingerprint>1f:51:ae:2
    <tagSet>
        <item>
            <key>purpose</key>
            <value>production<
        </item>
    </tagSet>
</ImportKeyPairResponse>
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

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