

Azure Blueprints

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Overview of Azure Blueprints

- Define repeatable set of Azure resources
- Declarative way to deploy resources
- Enforce policies in subscriptions
- Artifacts: components having configurations

Ways to Create Blueprints

- Azure Portal
- Azure CLI
- Azure PowerShell
- REST API
- ARM template

Publishing Blueprints



Deploy new
environments



Versioning



Tracking
deployments

Azure Policy

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Azure Policy:

Tool to enforce standards
and assess compliance
at-scale

Azure Policy: Uses



Governance



Regulatory
compliance



Security



Cost



Management



Azure Policy: Examples

- Allowed Resource Type
- Allowed Locations
- Add a tag to resources
- Not allowed resource types

Azure Policy: Ways to Assign



Azure Portal



Azure PowerShell



Azure CLI

Approaches to Managing Policy



Policy Definition

Initiative Definition

Resource Locks

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Resource Locks:

Safeguard cloud resources from unintentional modification or deletion

The screenshot shows the Azure portal interface for managing resource locks. The breadcrumb path is "app-bre" > "Web App" > "Locks". On the left sidebar, the "Locks" tab is selected, indicated by a red box and a red circle with the number 1. In the top right of the main content area, the "+ Add" button is highlighted with a red box and a red circle with the number 2. The "Add lock" form on the right contains the following fields:

- Lock name ***: A text input field with a red border. Below it, a red error message states "Lock name is required."
- Notes**: A text area for additional information.

Types of Resource Locks

- **Delete lock**
 - Can modify
 - Cannot delete
- **Read-only lock**
 - Can only read
 - Cannot modify or delete

The screenshot shows a web interface for managing locks. At the top, there is a header bar with a grey rectangle, the text 'Locks', and a menu icon. Below the header, there is a row of buttons: a blue '+ Add' button (highlighted with a red box), followed by several grey buttons. A modal dialog box titled 'Add lock' is open. It contains two main sections: 'Lock name *' and 'Lock type *'. The 'Lock name' section has a text input field (highlighted with a red box) and a red error message 'Lock name is required.' below it. The 'Lock type' section has a dropdown menu (highlighted with a red box) showing 'Read-only' with a downward arrow. Below the dropdown, there are two options: 'Read-only' (highlighted with a grey background) and 'Delete'. At the bottom of the dialog, there are 'OK' and 'Cancel' buttons.

Locks

+ Add

Add lock

Lock name *

Lock type *

Read-only ▼

Read-only

Delete

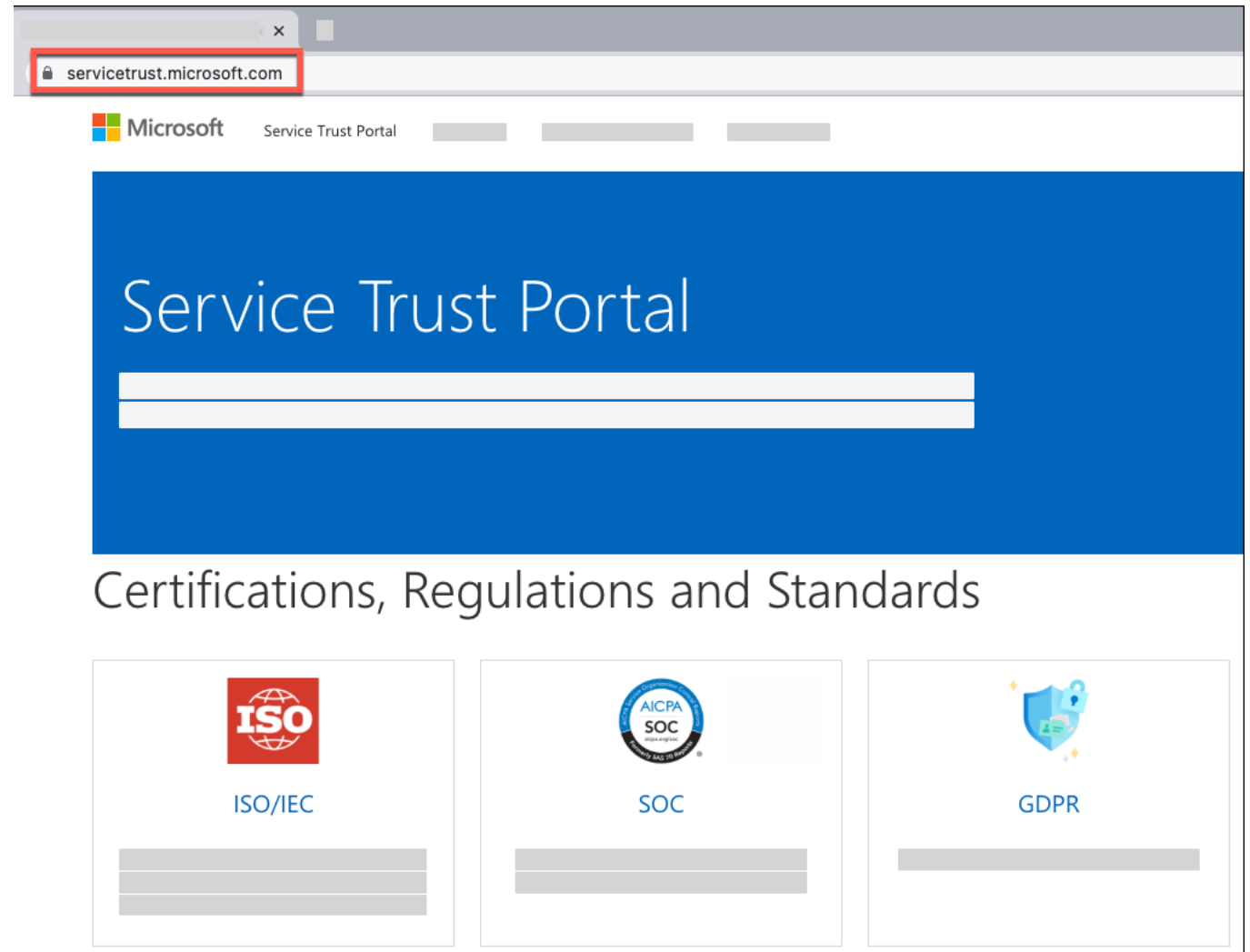
OK Cancel

Service Trust Portal

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Service Trust Portal:

Provides up-to-date details on Microsoft's security, privacy & compliance practices



Primary Sections

- **My Library**
- **All Documents**

