

Admin Request - USABC Document Upload Service

To: Azure Administrator

From: John Bouchard (johnbouchard@icloud.com)

Date: February 13, 2026

Subject: Action Required - Elevated Permissions for Production Security Configuration

Summary

The USABC Document Upload Service requires the following administrative actions to complete production security configuration. Total estimated time: **40 minutes**.

Subscription: e108977f-44ed-4400-9580-f7a0bc1d3630

Resource Group: rg-rfpo-e108977f

Container App: usabc-upload

Storage Account: strfpo5kn5bsg47vvac

Request 1: Grant Storage Role to Managed Identity & Remove Storage Key

Priority: HIGH

Time: 10 minutes

Reason: Enable keyless authentication

Commands:

```
# Step 1: Assign Storage Blob Data Contributor role
az role assignment create \
  --assignee 6e6b4d47-c050-495e-8842-26d035424764 \
  --role "Storage Blob Data Contributor" \
  --scope "/subscriptions/e108977f-44ed-4400-9580-f7a0bc1d3630/resourceGroups/rg-rfpo-e108977f/providers/Microsoft.Storage/storageAccounts/strfpo5kn5bsg47vvac"

# Step 2: Verify role assignment succeeded
az role assignment list \
  --assignee 6e6b4d47-c050-495e-8842-26d035424764 \
  --query "[].{Role:roleDefinitionName,Scope:scope}" -o table

# Step 3: Remove storage key (ONLY after Step 2 confirms success)
az containerapp update \
  --name usabc-upload \
  --resource-group rg-rfpo-e108977f \
  --remove-env-vars AZURE_STORAGE_ACCOUNT_KEY
```

Required Permission: Microsoft.Authorization/roleAssignments/write

Request 2: Enable Malware Scanning on Storage Account

Priority: HIGH

Time: 10 minutes

Reason: Activate automated malware detection

Command:

```
az rest --method PUT \
  --url "https://management.azure.com/subscriptions/e108977f-44ed-4400-9580-
f7a0bc1d3630/resourceGroups/rg-rfpo-
e108977f/providers/Microsoft.Storage/storageAccounts/strfpo5kn5bsg47vvac/providers
/Microsoft.Security/defenderForStorageSettings/current?api-version=2022-12-01-
preview" \
  --body '{
    "properties": {
      "isEnabled": true,
      "malwareScanning": {
        "onUpload": {
          "isEnabled": true,
          "capGBPerMonth": 5000
        }
      },
      "sensitiveDataDiscovery": {
        "isEnabled": false
      },
      "overrideSubscriptionLevelSettings": true
    }
  }'
```

Required Permission: `Microsoft.Authorization/roleAssignments/write`

Note: Defender for Storage is already enabled (Standard tier, DefenderForStorageV2)

Request 3: Register Microsoft.Insights Provider & Create Alerts

Priority: HIGH

Time: 20 minutes

Reason: Enable monitoring and alerting

Commands:

```
# Check provider registration
az provider show --namespace Microsoft.Insights --query "registrationState"

# Register if needed
az provider register --namespace Microsoft.Insights
```

```
# Create container health alert
az monitor metrics alert create \
  --name usabc-upload-down \
  --resource-group rg-rfpo-e108977f \
  --scopes "/subscriptions/e108977f-44ed-4400-9580-f7a0bc1d3630/resourceGroups/rg-rfpo-e108977f/providers/Microsoft.App/containerapps/usabc-upload" \
  --condition "count Replicas < 1" \
  --window-size 5m \
  --evaluation-frequency 1m \
  --action usabc-upload-alerts \
  --description "Container app has no running replicas"

# Create error rate alert
az monitor metrics alert create \
  --name usabc-upload-errors \
  --resource-group rg-rfpo-e108977f \
  --scopes "/subscriptions/e108977f-44ed-4400-9580-f7a0bc1d3630/resourceGroups/rg-rfpo-e108977f/providers/Microsoft.App/containerapps/usabc-upload" \
  --condition "total Requests count > 10 where ResultType includes '5'" \
  --window-size 15m \
  --evaluation-frequency 5m \
  --action usabc-upload-alerts \
  --description "High rate of server errors (5xx)"

# Create storage capacity alert
az monitor metrics alert create \
  --name usabc-storage-capacity \
  --resource-group rg-rfpo-e108977f \
  --scopes "/subscriptions/e108977f-44ed-4400-9580-f7a0bc1d3630/resourceGroups/rg-rfpo-e108977f/providers/Microsoft.Storage/storageAccounts/strfpo5kn5bsg47vvac" \
  --condition "total UsedCapacity > 80000000000" \
  --window-size 1h \
  --evaluation-frequency 15m \
  --action usabc-upload-alerts \
  --description "Storage usage exceeds 80GB"
```

Required Permission: Contributor role or higher
Note: Action group `usabc-upload-alerts` already created

Resources Summary

Resource Type	Name	Location	Purpose
Container App	usabc-upload	East US	Application runtime
Storage Account	strfpo5kn5bsg47vvac	East US	File storage
Managed Identity	6e6b4d47-c050-495e-8842-26d035424764	System-assigned	Authentication
Action Group	usabc-upload-alerts	East US	Alert notifications

Verification

After completion, please verify:

1. **Managed Identity:** Upload test file at <https://usabc-upload.livelyforest-d06a98a0.eastus.azurecontainerapps.io/> - should work without storage key
 2. **Malware Scanning:** Check blob tags after upload for **Malware Scanning scan result**
 3. **Alerts:** Confirm alerts are listed in Azure Portal under resource group monitoring
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Questions?

Please contact John Bouchard at johnbouchard@icloud.com if any issues arise.

Service Status Page: <https://usabc-upload.livelyforest-d06a98a0.eastus.azurecontainerapps.io/health>