INVENTORYMANAGEMENTSYSTEMFORRETAILERS

Domain: CloudApplicationDevelopment

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IBMCloudaccountsetup

An IBM Cloud account is needed to provision and manage IBM Cloud services that make upthe reference architectures of the IBM Cloud for Financial Services. Along with the high-levelsteps to follow, we describe some of the best practices for account setup that will help yousatisfy the requirements of the IBM Cloud Framework for Financial Services. In addition, themost relevant control requirements areprovided.

- CreateanIBMCloudaccount.Formoreinformation,seeCreateyouraccount.
  Thefollowingtableshows the controlsthat aremost relatedtothisstep.

  Table1.RelatedcontrolsinIBMCloudFramework
  forFinancialServicesforaccountcreation
  FamilyControl
  Access Control(AC)   AC-2AccountManagement

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  Set up the Activity Tracker Event Routing service as described in Audit logging forIBM Cloud events. This enables IBM Cloud platform events to be recorded forauditing purposes. Setting this up early in the process is important so that allplatform eventsthatoccurduringthe restofthese steps are availableintheauditlogs.

  Thefollowingtableshowsthe controlsthat aremost relatedtothisstep.

  Table 2. Related controls in IBM Cloud Framework for Financial Services for auditlogging
  FamilyControl
  Access Control(AC)   AC-2AccountManagement
  AC-2(1)AccountManagement|AutomatedSystemAccountManagement

AC-2 (4) Account Management | Automated Audit
ActionsAC-
2(7)AccountManagement|PrivilegedUserAccounts
AuditandAccountability (AU)   AU-3 Content of Audit
RecordsAU-4Audit LogStorageCapacity
AU-5ResponsetoAuditProcessingFailures
AU-6Audit RecordReview,Analysis.AndReporting
AU-6 (1) Audit Record Review, Analysis. And Reporting | Automated
ProcessIntegration
AU-7Audit RecordReductionandReport

- Upgrade your account to either Pay-As-You-Go or Subscription. For
  moreinformation,seeUpgradingyouraccount.

- Enable multi-factor authentication (MFA) by using the U2F MFA type for all users
  inyour account. Users authenticate by using a physical hardware-based security
  keythat generates a six-digit numerical code. Based on the FIDO U2F standard,
  thismethod offers the highest level of security. This security is needed because the
  IBMCloudFrameworkforFinancialServicesrequiresasmartcardorhardware tokenthatis
  designed and operated to FIPS 140-2 level 2 or higher or equivalent (for
  example,ANSIX9.24or ISO13491-1:2007).

- Thefollowingtableshows the controlsthat aremost relatedtothisstep.

- Table 3. Related controls in IBM Cloud Framework for Financial Services for multi-
  factorauthentication
- FamilyControl
- IdentificationandAuthentication(IA)IA-2
  (1)IdentificationandAuthentication(OrganizationalUsers)|Multi-
  factorAuthenticationToPrivilegedAccounts
- IA-2(11)IdentificationandAuthentication(OrganizationalUsers) |RemoteAccess–
  SeparateDevice

- Restrict IP addresses from which a user can access the IBM Cloud account. For
  moreinformation,seeAllowingspecific IPaddressesfor anaccount
  formoreinformation.

- Thefollowingtableshows the controlsthat aremost relatedtothisstep.
- Table 4. Related controls in IBM Cloud Framework for Financial Services
  forrestrictingIPaddresses
- FamilyControl
- Access Control(AC)   AC-4InformationFlowEnforcement
- System andCommunicationsProtection(SC)SC-7BoundaryProtection
- SC-7(5)BoundaryProtection|DenyByDefault– Allow ByException

- While optional, it is recommended that you enable authentication from an externalidentity provider (IdP) to securely authenticate external users to your IBM Cloudaccount. This provides a way for your employees to use your company's single sign-on(SSO)solution.

- Enable the IBM Cloud for Financial Services Validated setting in your account. Withthis setting, you can filter the catalog for services that are designated as FinancialServices Validated and indicates that your account stores regulated financial servicesinformation. If you enable Financial Services Validated, your account still has accessto the full public catalog. For more information, see Enabling your account to useFinancialServicesValidatedproducts.

- The following table shows the controls that are most related to this step.FamilyControl
  Access Control(AC)   AC-20 Use of External Information
  SystemsSystemandServices Acquisition(SA)   SA-4 Acquisitions
  ProcessSA-9External InformationSystem Services
  EnterpriseSystemandServicesAcquisition(ESA)   ESA-5 Subcontractor
  RiskManagement
  SecurityAssessmentandAuthorization(CA)   CA-3SystemInterconnections

- Setthesessioninactivitytimeoutto15minutes.Formoreinformation,seeSettingthesign-outduetoinactivityduration.

- Thefollowingtableshows the controlsthat aremost relatedtothisstep.

- Table 6. Related controls in IBM Cloud Framework for Financial Services for usingonly sessioninactivity timeout
- FamilyControl
- Access Control(AC)   AC-11 SessionLock

- Updatecompanyprofile details.

- Thefollowingtableshows the controlsthat aremost relatedtothisstep.
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- Table 7. Related IBM Cloud Framework for Financial Services controls for updatingcompanyprofiledetails
- FamilyControl
- ConfigurationManagement(CM)CM-8(4)InformationSystemComponentInventory|AccountabilityInformation

- Set email preferences for notifications. You can receive email notifications about IBMCloud platform-related items, such as announcements, critical events, securitynotices,billingandusage,andordering.

- Thefollowingtableshows the controlsthat aremost relatedtothisstep.
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- Table8.RelatedIBMCloudFrameworkforFinancialServicescontrolsforconfiguringnotifications
- FamilyControl
- SystemandInformationIntegrity(SI)SI-2FlawRemediation
- SI-5SecurityAlerts&Advisories

- Choose a support plan. For more information, see Basic, Advanced, and PremiumSupportplans.

- Nextsteps
- Organizingyour IBM Cloudaccountsandresources