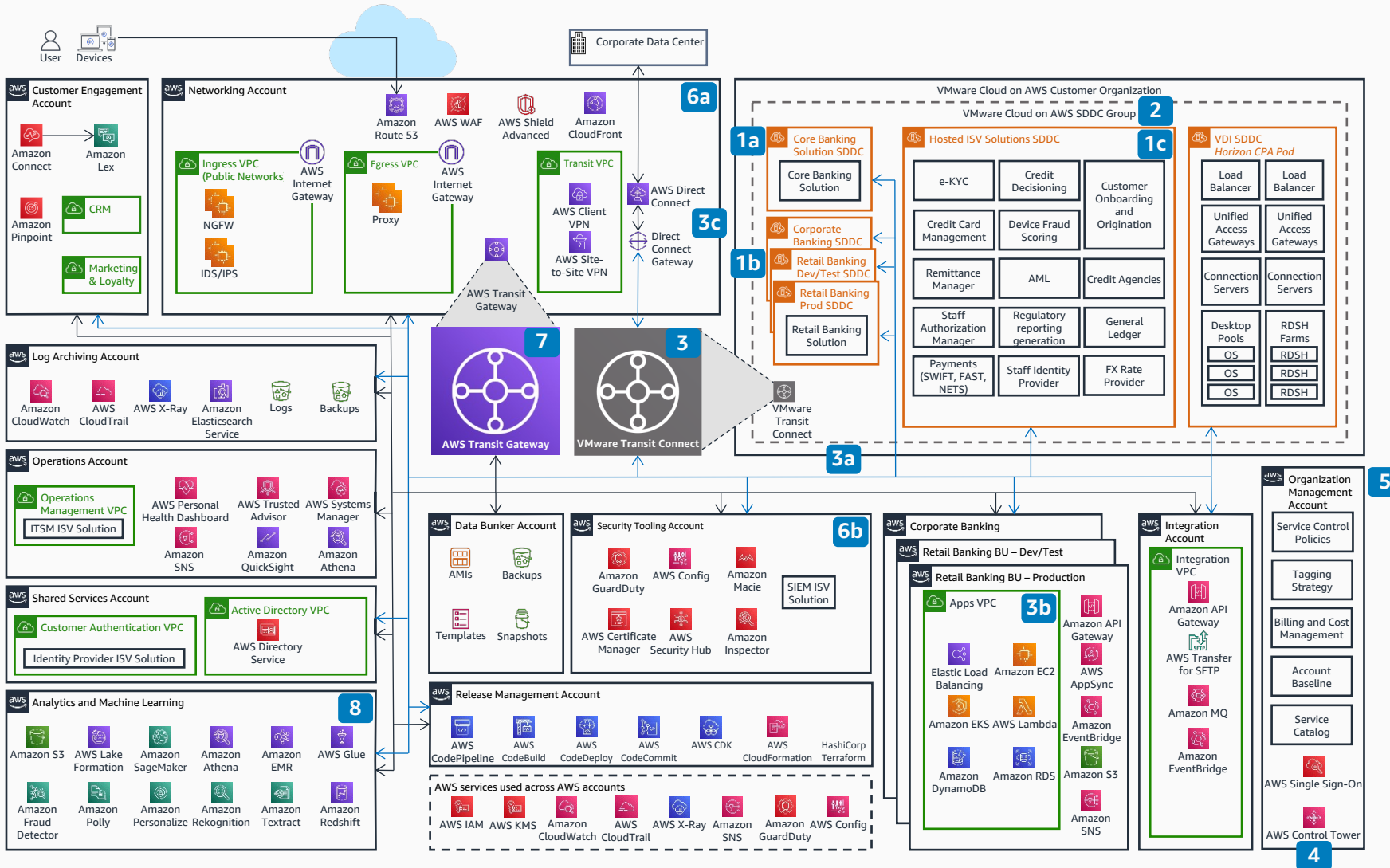


# Digital Banking with VMware Cloud on AWS

Design patterns for building a digital banking environment with VMware Cloud on AWS and AWS native services.



## VMware Cloud on AWS

- 1 With **VMware Cloud on AWS**, rapid migration to the AWS cloud is possible even for: (1a) core banking solutions (such as Fiserv), (1b) corporate and retail banking solutions, and (1c) hosted Independent Software Vendor (ISV) solutions. You can continue to run these workloads in the same manner that you do on-premises without refactoring.
- 2 Software-Defined Data Center (SDDC) Groups enable you to manage multiple SDDCs as a single logical entity-simplifying operation.
- 3 **VMware Transit Connect** is a managed service, powered by **AWS Transit Gateway**, that provides high-bandwidth, simplified connectivity. It supports the following connectivity models: (3a) SDDC ↔ SDDC in the same region, (3b) SDDC ↔ AWS VPC, and (3c) SDDC ↔ on-premises over **Direct Connect Gateway**. Important note: At least one endpoint in any flow must be a resource within an SDDC.

## AWS native services

- 4 **AWS Control Tower** provides an easier way to set up and govern your new, secure, multi-account AWS environment, based on best practices established through AWS' experience working with thousands of enterprises. **AWS Control Tower** also has the extensibility necessary for meeting the requirements of digital banks.
- 5 Account groupings and organizational units (OUs) should be based on function or common controls, starting with security and infrastructure.
- 6 Organize resources into accounts based on categories of service, such as (6a) networking or (6b) security tooling.
- 7 **Transit Gateway** provides high-bandwidth, simplified connectivity within the AWS estate, for traffic flows where a resource within the SDDC is not one of the endpoints.
- 8 Seamlessly integrate your VMware workloads with AWS analytics and machine learning services to start driving new insights and value from your data.



Reviewed for technical accuracy June 22, 2021

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**AWS Reference Architecture**