

PwC Confidential Compute - Built for Microsoft Azure Confidential Computing (ACC)

Confidential Computing uses hardware to isolate your data in a trusted execution environment (TEE) so you can:

Own and Control

your data at transit and rest



To Learn More Visit: <https://aka.ms/AzureCC>

PwC has teamed with Microsoft to develop Confidential Compute: solutions that will allow you to leverage full control over your data in the cloud and utilize it to further enable your business.

This will allow you to shift focus towards unleashing cloud computing with confidence and enable additional compliance requirements. Spend less time worrying about protecting the business, concentrate on leading it.

Three Unique Solutions

Technical Implementation

Architectural Overhaul

Readiness Assessment



Expand data security

- Quickly shift sensitive data to the cloud with the ability to validate its security
- Reduce the attack surface by lowering the trusted computing base (TCB) and amplifying security.
- Protect your data at-rest, in-transit, and in use



Satisfy regulations

- Certify your cloud security deployment with proof your data is secure
- Ensure that only you control access to your data
- Meet compliance through offering a new wave of products that remove liability on private data with isolated processing



Enable business capabilities

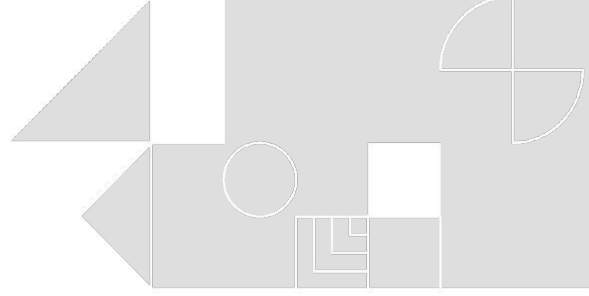
- Unlock the potential to process increasingly delicate data in the cloud while staying within regulatory parameters
- Develop new opportunities with unprecedented cross-industry collaboration in multi-party computing

Let PwC help you secure your information via integrated Microsoft technologies for improved visibility, capabilities, and collaboration.



Confidential Computing

PwC and Microsoft



Three solutions, tailored to your confidential computing journey



Technical Implementation

You have:

- A new use case or existing application that involves processing sensitive code or data

You want:

- To run your application confidentially in the cloud
- Isolate code and data from malware or cloud admins
- Verify your environment is secure

Lift & Shift:

PwC and Microsoft can:

- Transfer your application to the cloud in a confidential computing environment through Lift and Shift

Code Refactoring:

PwC and Microsoft can:

- Help develop a new application or rebuild an existing one to utilize confidential computing technology in the cloud



Architectural Overhaul

You have:

- A security stack providing resilience and reliability throughout the organization

You want:

- Modernized security solution that is business friendly
- Optimized security stack with industry-leading data, analytics and security operations solutions

PwC and Microsoft can:

- Overhaul your current architecture to use Azure Confidential Computing and reduce dependency on traditional security stack
- Maintain the same use cases on prem and on cloud with additional security and reduce attack surface.

Business Use Cases



Secure Multi-party Computation

Azure Confidential Computing lets you process data from multiple sources without exposing that input data to other parties.

This would advance the following data sensitive industries and practices:

- Healthcare, esp. pharmaceutical orgs.
- Financial services
- Regulated entities (e.g. gov't contractors)
- Fraud detection
- Machine learning



Confidential Cloud Enablement

Azure Confidential Computing offers additional protection guarantees to make it more reasonable for you to migrate your sensitive workload to the cloud.

You would be able to utilize the following cloud capabilities:

- Secure databases
- Kubernetes & containers
- Key Vaults



Enterprise Blockchain

Ledgers will be encrypted with Azure Confidential Computing to ensure that only authorized parties can see the transactions on the network. This solves the issue of openness with blockchains.



Readiness Assessment

You have:

- Data requiring conclusive assurances of its security and falls under specific regulatory demands
- Existing Microsoft Azure consumption
- Technical capabilities needed to adopt the capabilities of the Azure Confidential Computing

You want:

- Data security in the cloud that satisfies regulations while enabling new use cases like using privacy-preserving analytics to accelerate AI ops
- Next generation technologies that balance security, business agility and performance

PwC and Microsoft can:

- Assess your environment and business use cases to determine the eligibility and readiness to utilize Azure Confidential Computing technologies
- Craft a roadmap for development to confidential computing, with support for business growth

Contact us for further information

Nitesh Dhanjani, Principal
nitesh.dhanjani@pwc.com
+1 425 495 9775

Sloane Menkes, Principal
sloane.menkes@pwc.com
+1 703-624-7635

Tim Pinkowski, Director
tim.pinkowski@pwc.com
+1 630-886-4222

Harry Lu, Senior Manager
peng.lu@pwc.com
+1 202 380 7843

