

The [Project Name] – Highlights

Drivers & Goals

What drives the [Project Name]?

Obligations under DCCI



1. We must respond to and satisfy our obligations under the Federal Data Center Consolidation Initiative (DCCI) as well as additional [Agency] initiatives to streamline redundant technologies and processes.

New funding realities



2. Declining [Agency] budgets mean we must work smarter with less in order to provide the same (or even improved!) data center services to [Agency] customers.

Improve app hosting services



3. We also want to improve our application hosting capabilities by taking advantage of industry changes and evolving technologies.

What are the goals of the [Project Name]?

- Reduce the costs and energy consumption associated with providing data center services to [Agency] customers.
- Stand up the new Virtual Data Center (VDC). Move and, as necessary, transform over 180 infrastructure and business applications from existing data centers to the VDC.
- Standardize architecture, development tools and processes to better support [Agency] software development efforts.

Reducing Costs

- Consolidating multiple physical data centers into one virtual data center reduces facility overhead costs.
- Simultaneously, we're moving away from directly purchasing and maintaining hardware and software infrastructure and instead purchasing them "as a service" from a cloud services provider. This significantly reduces capital expenditures, depreciation, and ongoing maintenance costs for IT resources that we own.
- With dynamic pricing, cloud service providers charge for what we consume. Why incur the costs of maintaining our data centers year-round only to serve peaks that last only a few months? A smarter approach is to pay to increase, or "burst," our capacity when we need it and to scale back down when we don't.

- Consolidating data centers reduces [Agency] energy consumption and its real estate footprint.
- By reducing costs intelligently, the [Agency] is a more responsible steward of tax payer funds.

2 Key DCCI Goals!

Supporting Application Development

The [Project Name] intends to give [Agency] business areas – and their application development teams – better tools and processes to simplify their work and reduce the time it takes them to get their apps to market.

- We'll pair down the large list of semi-supported and redundant technologies into a common and fully supported enterprise toolset. Developers can then work with a stable palette of familiar technologies and also leverage new tools.
- [Project Name] is introducing increased automation for software testing and installation, two important and constantly repeated tasks. New automation tools and processes will help reduce the need for manual intervention (and any resulting errors).
- By purchasing infrastructure and software from a cloud provider, services can be added or removed rapidly. Development teams will be able to quickly set up and tear down development and testing environments.

Transforming Applications

Transformation Means...

1. Moving an application from its current location at the [Data Center 1] or [Data Center 2] to the new Virtual Data Center.
2. At the same time, we'll take the opportunity to improve the application by leveraging new or upgraded data center services.

Some ways that the application development process can be improved...

- Upgraded user authentication
- Better processes to deploy app builds and maintain infrastructure and tools
- Update underlying technologies (Oracle, etc.) to the latest versions and reduce end-of-life concerns
- Architecture modifications will prepare the [Agency] for a smoother move to a service-oriented architecture in the future.