



AssetWorks Elastic Cloud

Presented By: Brian Carlson



Meet Brian Carlson

Customer Success Manager



About Brian

Brian has 18 years of experience with IWMS software, focusing on the higher education, public sector, and telecom verticals. While completing his bachelors in Industrial Engineering, he began his background in facilities at Iowa State University facilities department as a systems analyst. He has held roles in customer support, professional services, and customer success.

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Agenda

To Host or Not to Host, that is the question...

- Infrastructure Challenges
- AssetWorks Elastic Cloud Solution
 - What is it?
 - Pros & Cons
- Moving Process
 - How hard can it be?
 - Checklist



Infrastructure Challenges



Hardware:

Procurement & cost of hardware, setup, disaster recovery, and backup infrastructure



Maintenance:

Staying current with application releases, database updates, operating system & security patches/releases



Cyber Security

Denial of service, intrusion detection & prevention



Personnel

Maintaining experienced resources for application, database, and operating system in use.



Cost

Increasing & difficult to forecast costs

Infrastructure as a Service

Hardware

Provider handles server provisioning, setup, configuration, & maintenance



Maintenance

Application updates, database and operating system patches applied regularly.



CyberSecurity

*Enterprise Levels of Security and Compliance
SOC Compliant*



Personnel

Application trained resources available 24/7 for uptime issues



Cost

Cost effective, & Predictable



Asset 2019
World

AssetWorks Elastic Cloud

What is it?



Solid Foundation

Built on **Amazon Web Services** for superior level of stability and security.



Scalable Application

Application(s) auto-scaling based on resource needs utilizing **Elastic Beanstalk**



High Availability

Instance options for **High Availability Zones** and failover support utilizing multiple geographic zones.

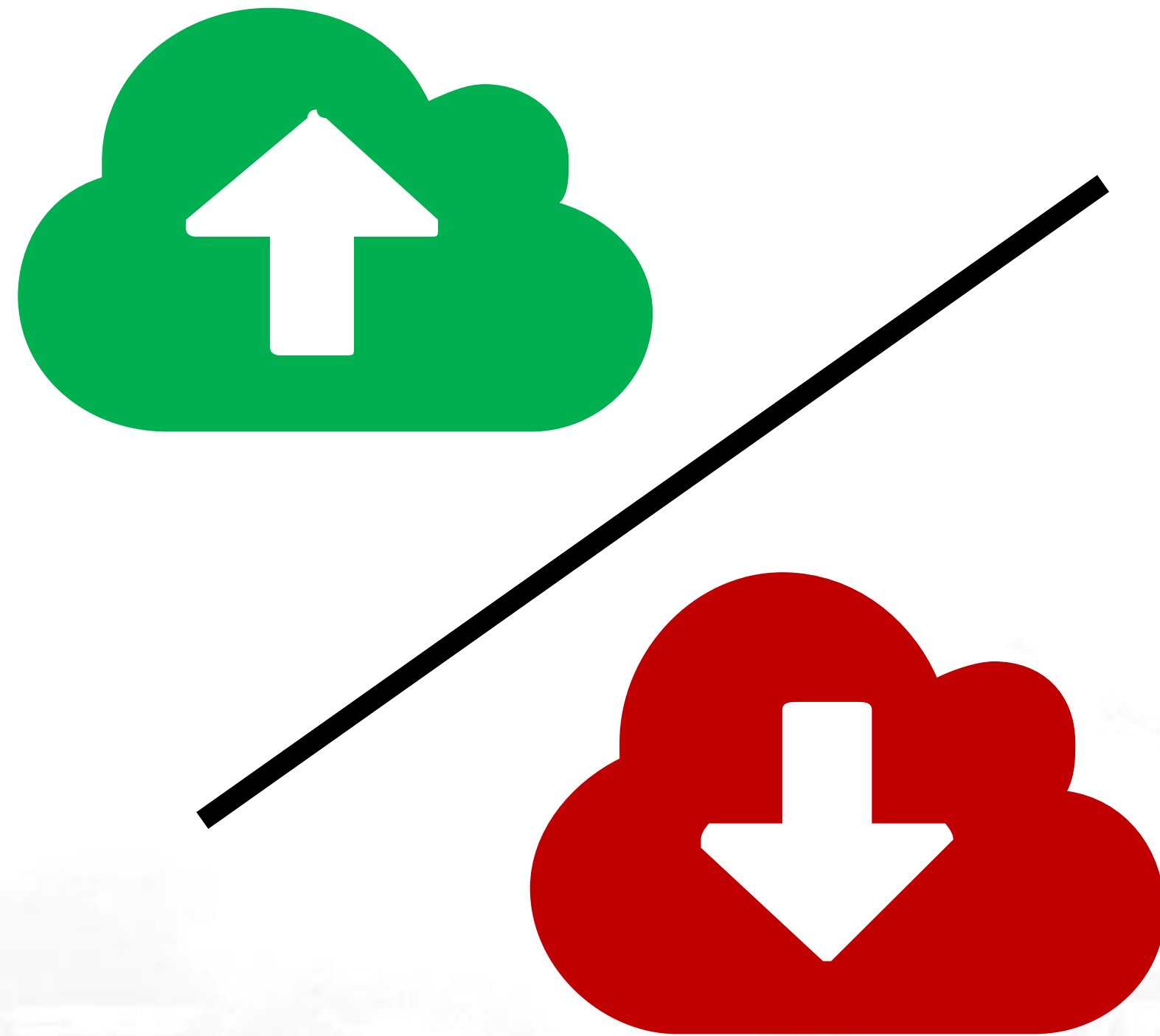


Disaster Recovery

Multiple options for Disaster Recovery based on customer needs.

Elastic Cloud Advantages vs. Disadvantages

Pros & Cons



Advantages:

- Solid scalable platform
- Superior security
- Managed updates

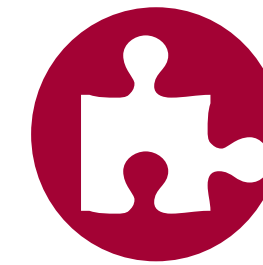
Disadvantages:

- Standard solution
- Cloud data
- Read-only database access



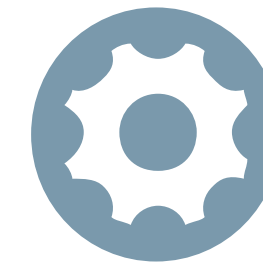
Think of AiM as a House

Your facilities home...



House Size and Shape

Just like a home's size and shape are factors which affect the scope of the move, the size and complexity of the AiM application is a factor to be considered.



Materials

The materials used in construction also factors. As in a brick home, versus wood construction, understanding the provider of your AiM database is also important.



Utilities

Homes are connected to various utility grids which must be safely disconnected. AiM instances will often have many integrations which will need to be transferred and hooked up in the new location.

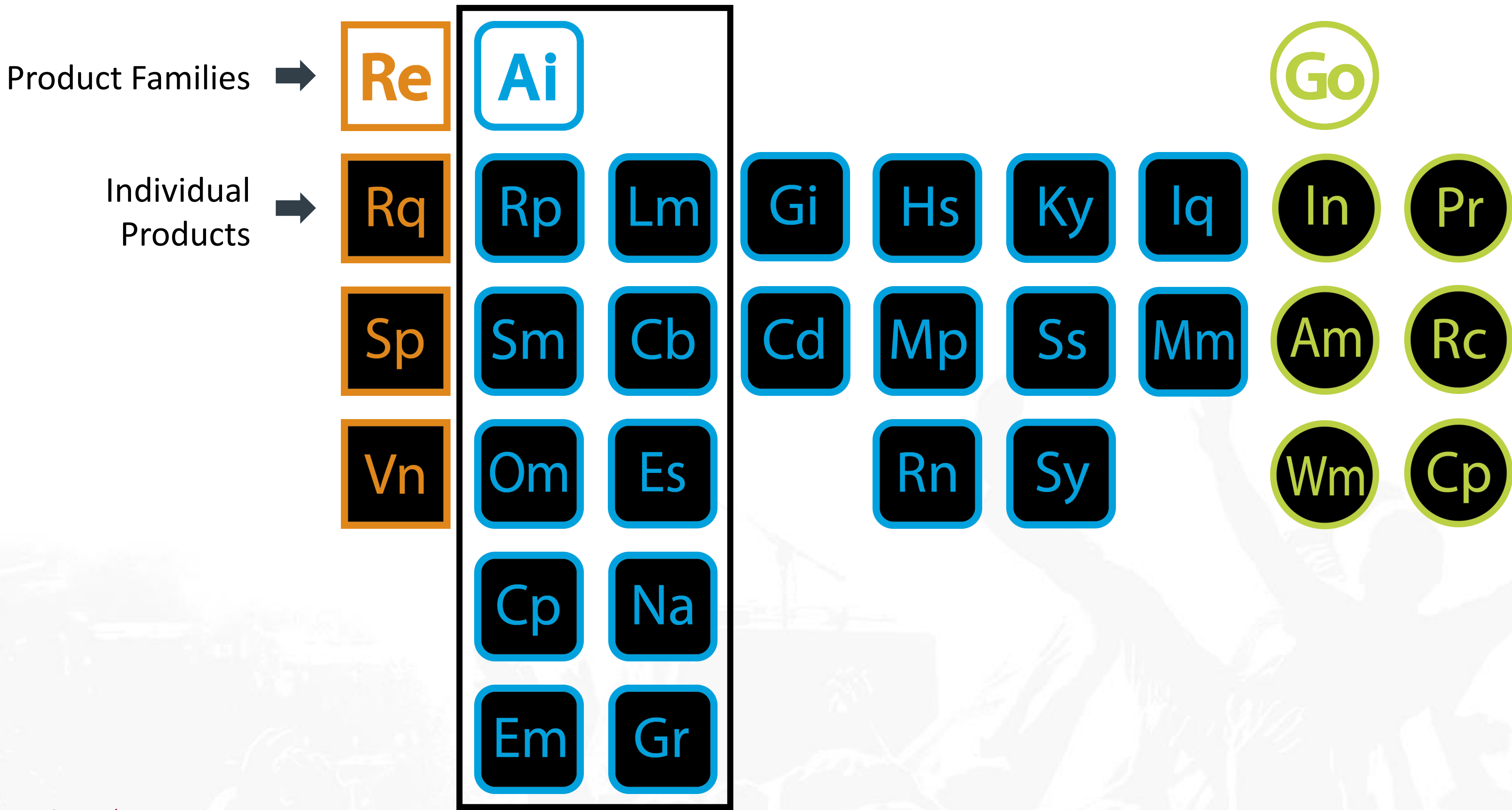


The Unexpected

When moving a house, power lines, trees, and mailboxes along the route can often be challenges. Any other objects which may exist in AiM can create issues, like custom triggers, procedures, tables, views, etc....

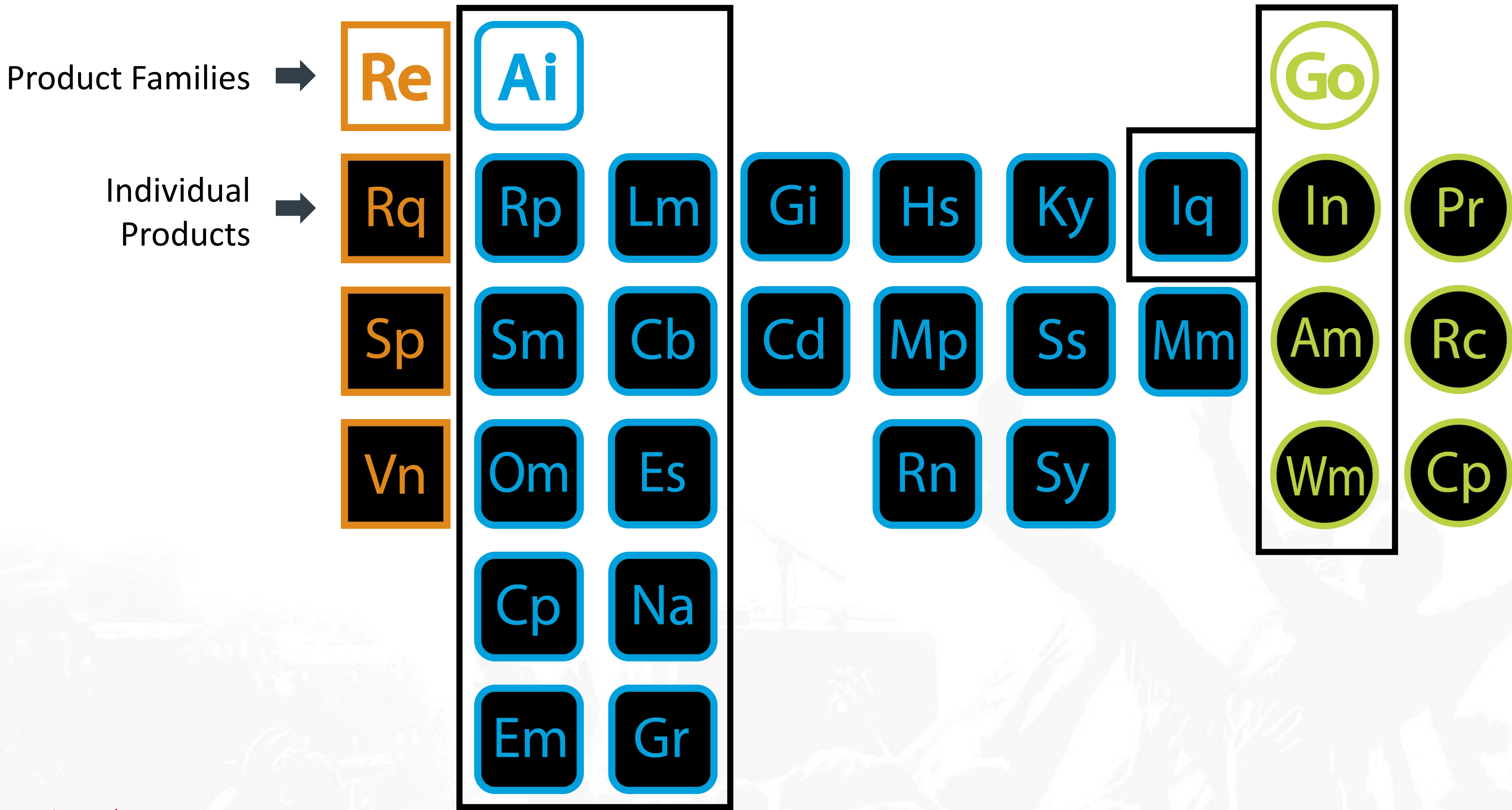
AiM Environment

Example #1 – AiM Modules



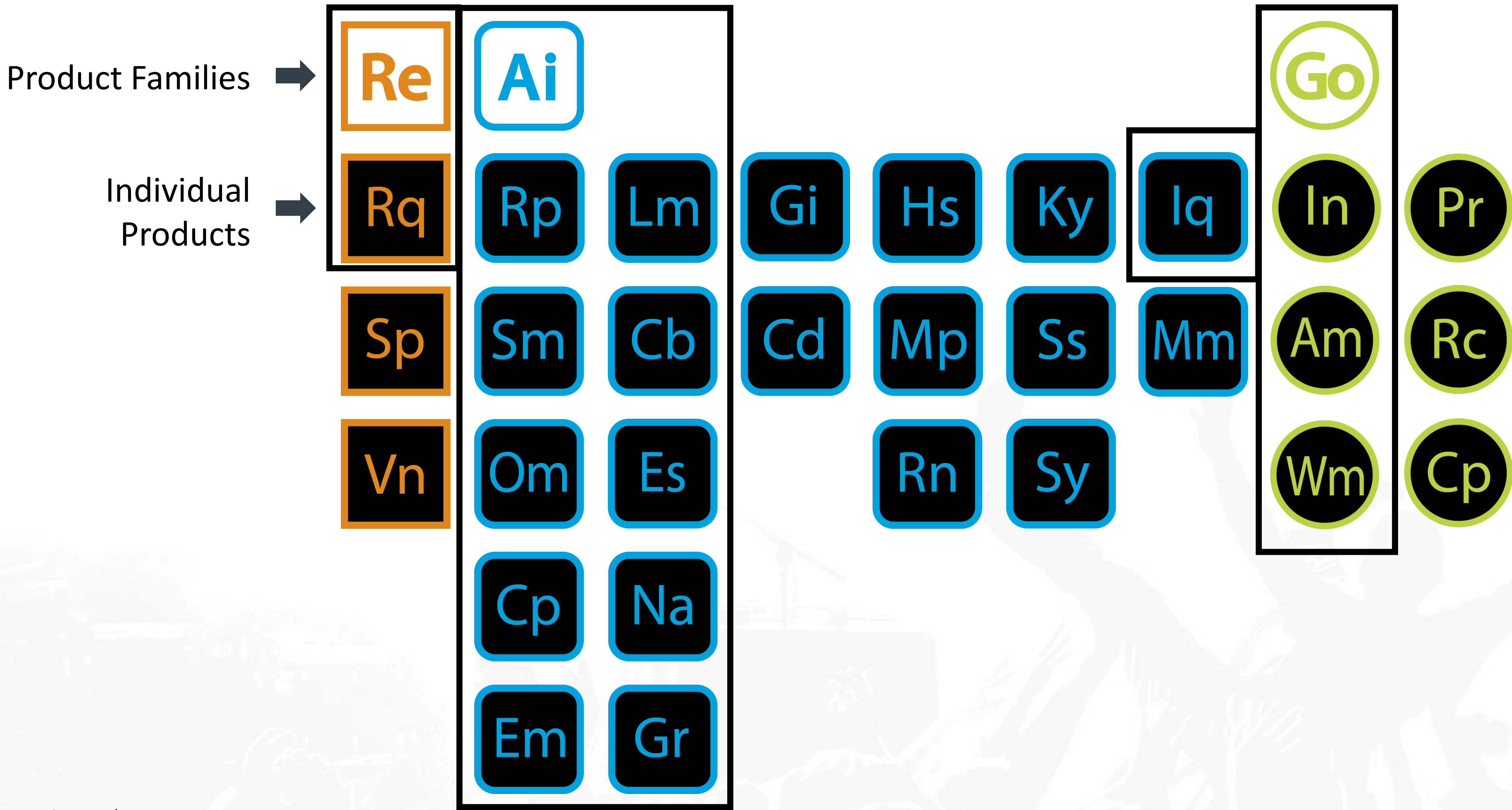
AiM Environment

Example #2 – AiM Modules, IQ, & Go



AiM Environment

Example #3 – AiM Modules, IQ, Go, & ReADY





Database - Materials

The structure of your home

 **MySQL Database**

 **Oracle Database**

 **SQL Server Database**

Utilities

Connecting your facilities home

ERP Systems 

Data Warehouses 

Web Portals 





The Unexpected

Everything else....



Custom Tables or Views



Custom Scripts



Custom Triggers or Procedures



Custom Action Codes

Transition process

To the clouds, in three easy steps



Transition Process

- *To move your facilities “home” the first step is to complete a **thorough** evaluation of your application.*
- *From there we will provide a estimate for the move including time and cost. This will include details including the number of environments and applications.*
- *Once this is approved/executed, we would migrate your databases to the cloud and provide the means to access them.*

Summary:

- AssetWorks Elastic Cloud is aimed at addressing your infrastructure challenges.
- Elastic Cloud leverages market leading AWS tools to provide superior stability, security, and scalability.
- The key to a successful move is fully understanding all the elements of your facilities home(AiM).

Questions?





Thank You!

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