Access, Alerts and Application Insights

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Access

- Role-based
  - Users – Azure Active Directory tenant
  - Groups – good for management
  - Sync with on premises directory
- Invite users with Microsoft accounts
- Only works with
  - Portal Preview
  - New Resource Manager API
- Applied at Resource Manager API level
  - Command Line
  - Any other tool that uses API

Access

- Apply at three levels
  - Subscription – inherited to all resources within subscription
  - Resource group - entire app and all resources within
  - Individual resource – website / virtual machine / etc.
- Three levels of access
  - Owner – includes management of resources and children, and access management
  - Contributor – includes management of resources and children, but cannot grant access
  - Reader – read-only access to resources and children, cannot read secrets
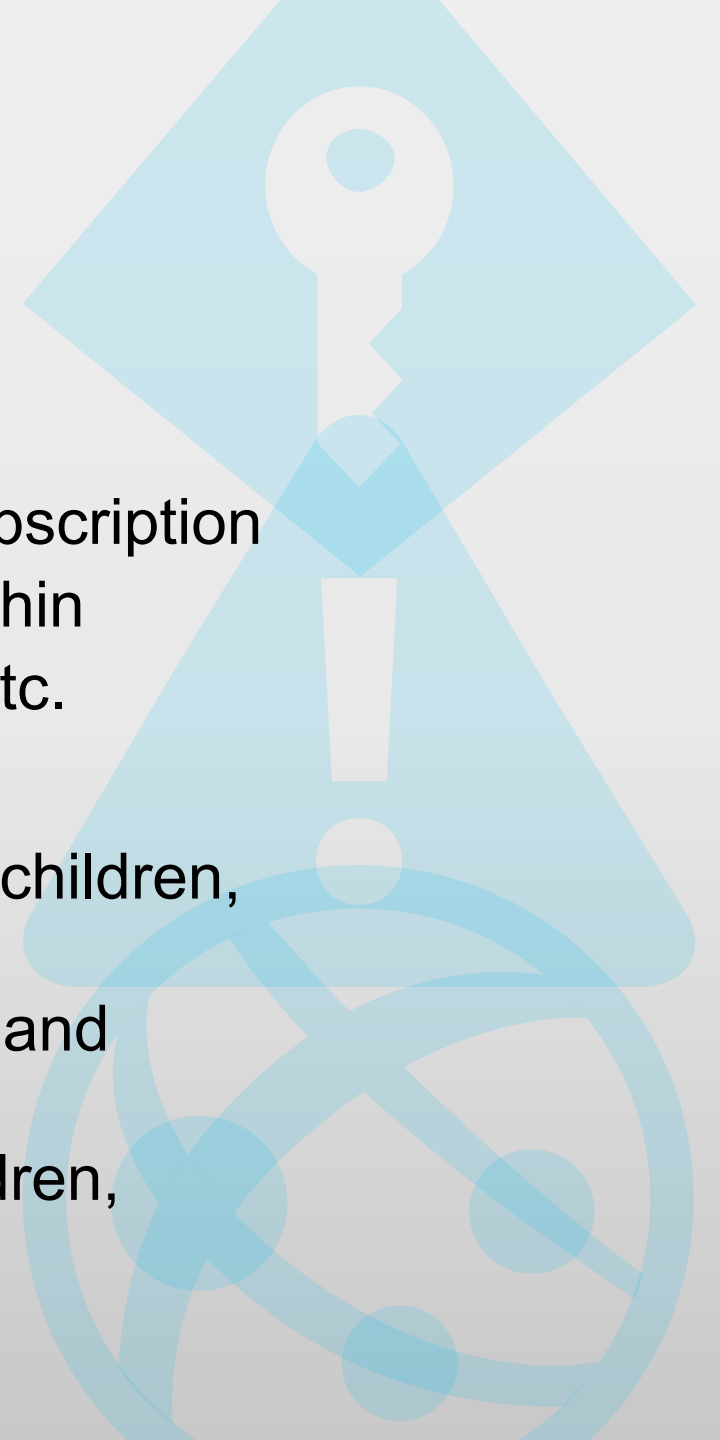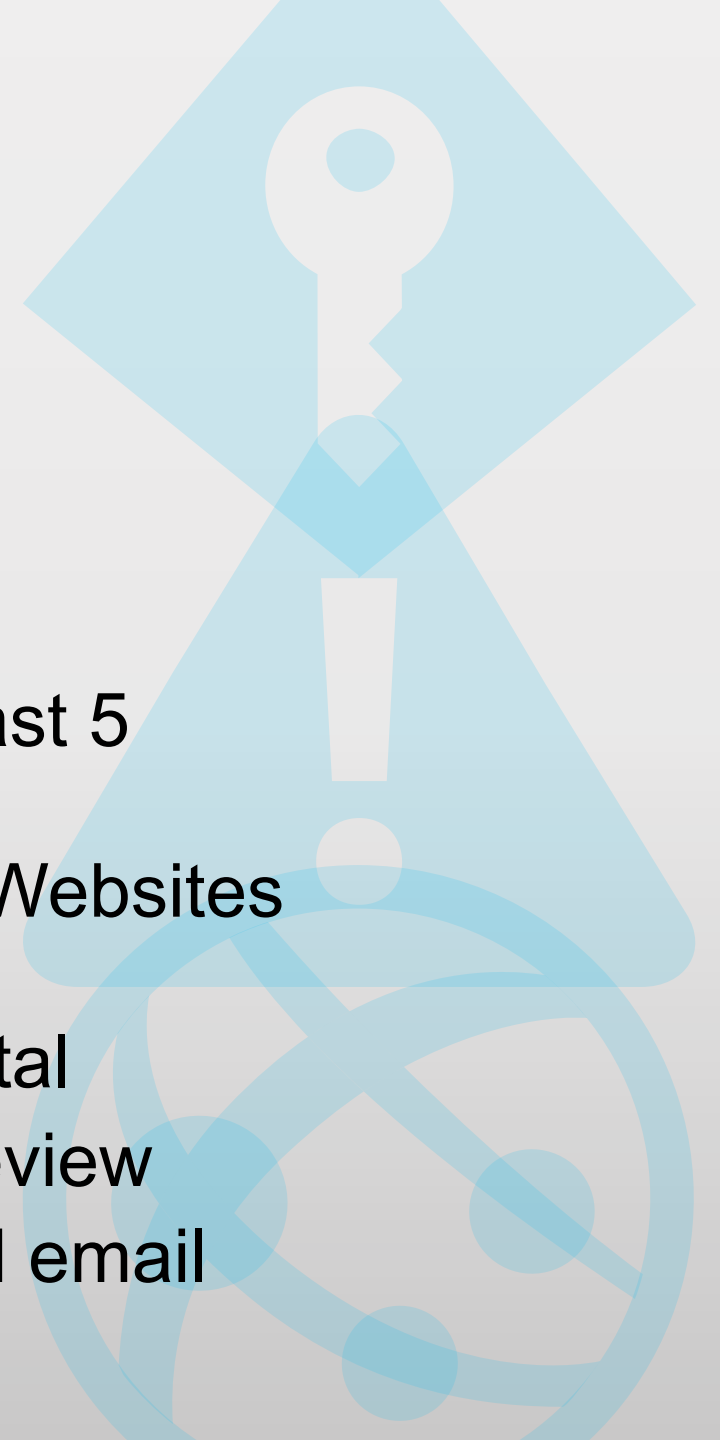
Access

- Example usage
  - Read-only access to production website to allow viewing of analytics
  - Full access for developers to development environment but only limited access to test or production

Alerts

- Now General Availability
- Limit of 10 alerts removed
- Different types of alert for each resource
- Alert based on metrics (e.g., CPU > 75% in last 5 minutes)
- Alert based on events currently available for Websites through Portal Preview
- Access through Management Services in portal
- Access through resource blades in Portal Preview
- Email alerts to subscription admin or selected email
- Not all alerts available in Portal Preview

Alerts

- Metrics currently available for
  - Cloud Services
  - Virtual Machines
  - Websites
  - Web hosting plans
  - Storage accounts
  - SQL databases
  - Redis Cache
  - DocumentDB accounts
- Events currently available for
  - Websites

Application Insights

- Access through Portal Preview
- Application Insights let you monitor your live application for
  - Availability - Test your URLs every few minutes from around the world
  - Performance - Detect and diagnose performance issues and exceptions
  - Usage - Find out what users are doing with your app, so that you can make it better for them
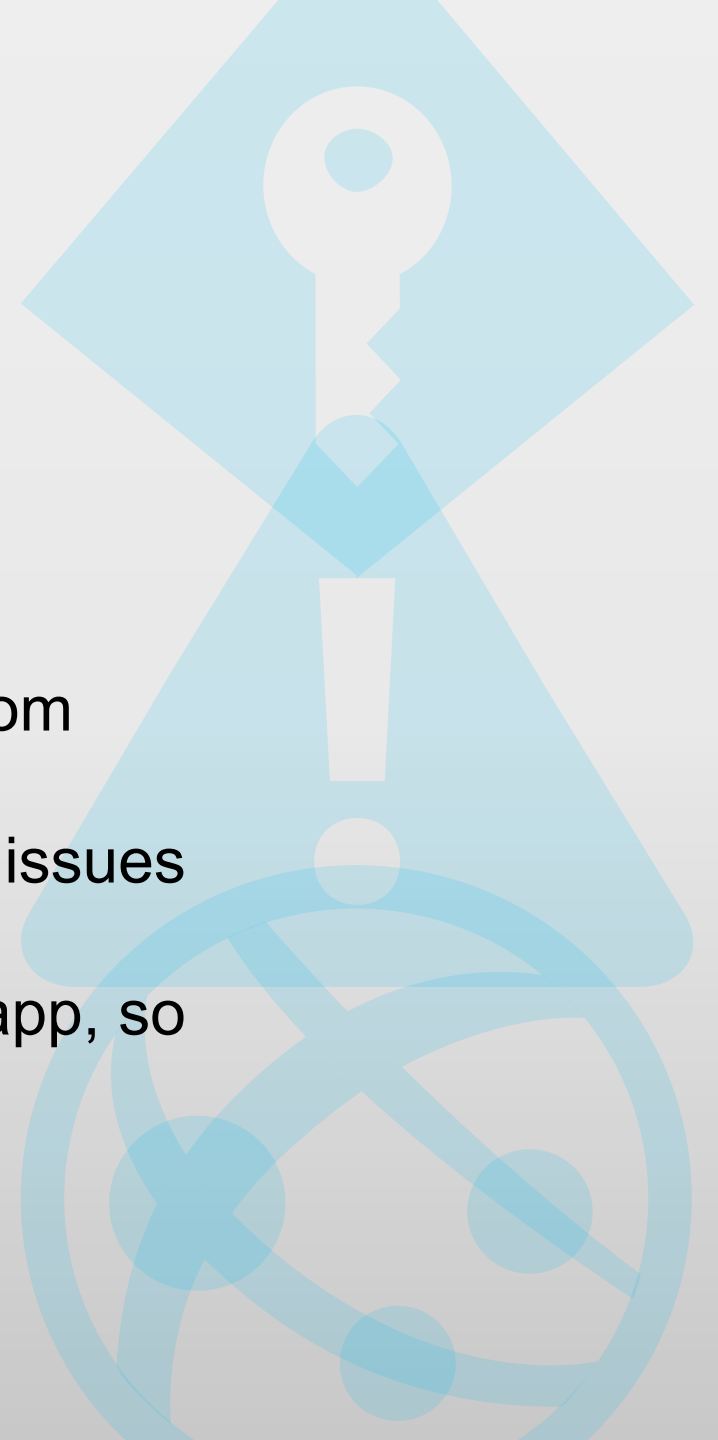
Application Insights

- Needs Visual Studio 2013 Update 3
- Instrument your resources
  - On by default in project templates
  - Add scripts to instrument current resources
  - JavaScript added to _Layout.cshtml in MVC4
  - ApplicationInsights.config
  - Toolbar in Visual Studio
  - Toast notifications