



# ArcGIS Licensing and Copy Protection

The mechanism to validate and enable your purchased ArcGIS Software

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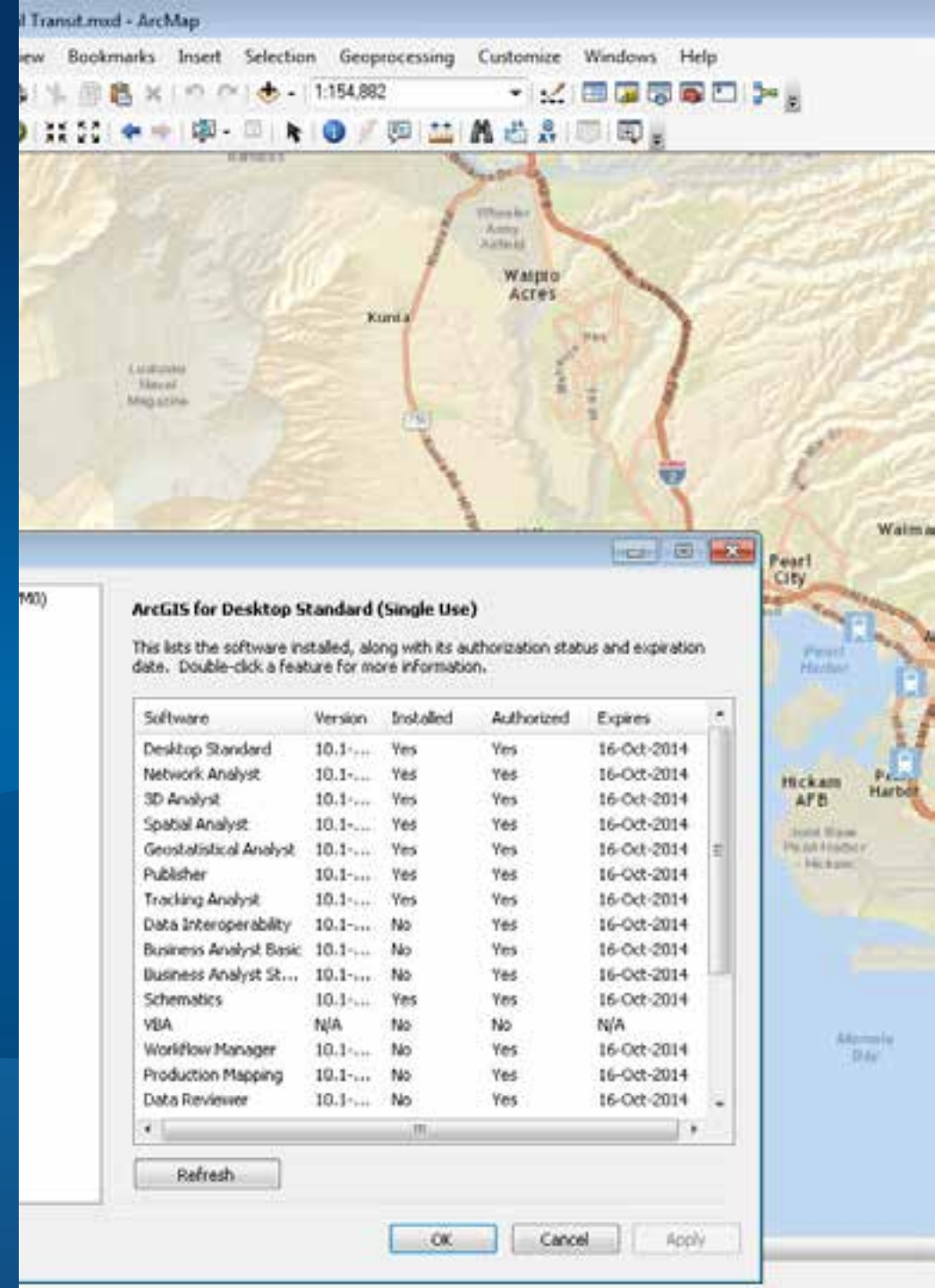
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Technical Workshop

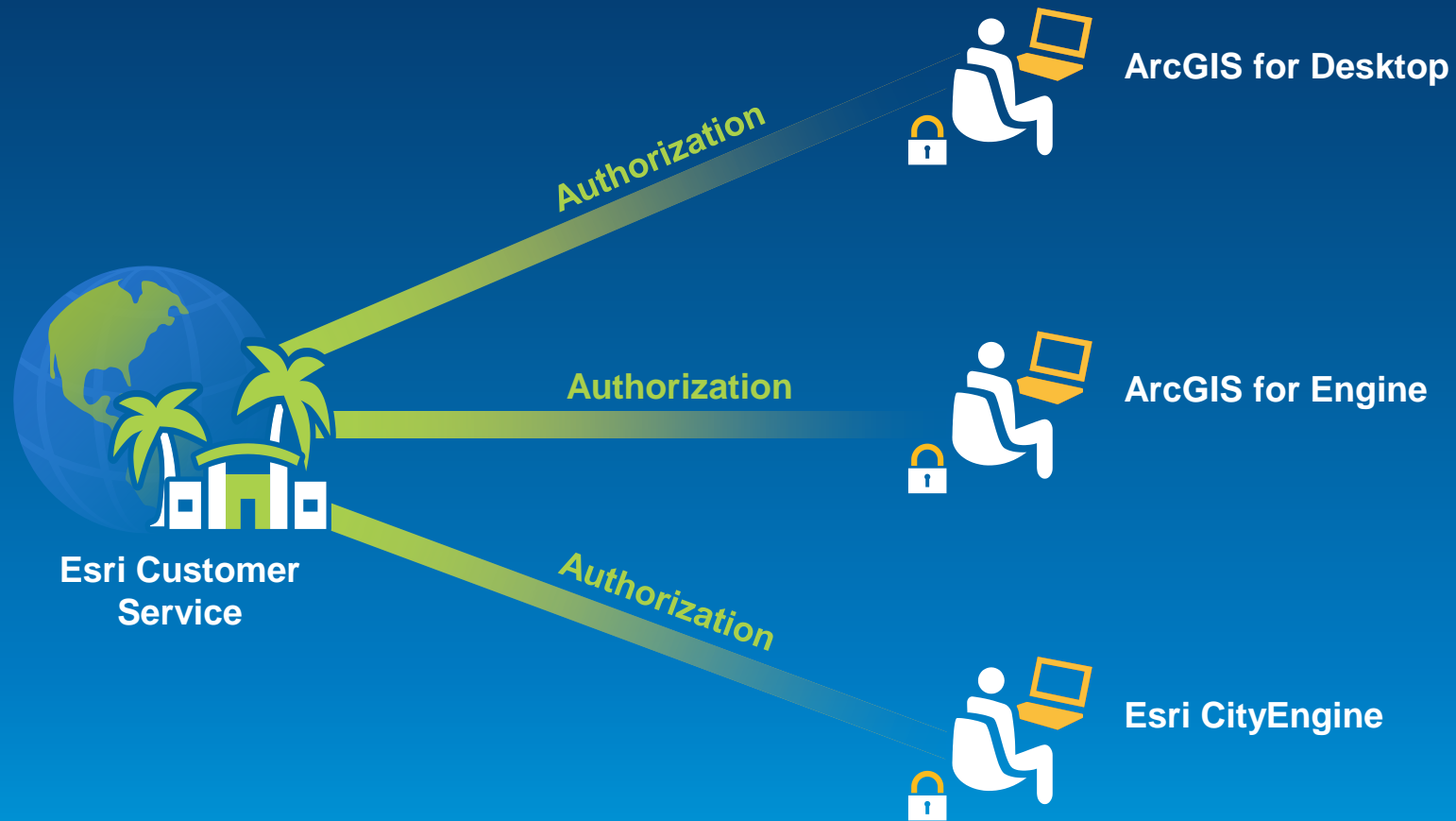
# Session Agenda

- **Single Use License Model**
- **Concurrent Use License Model**
- **License Models for Other Products**
- **Timeline of Functionality**
- **Useful Information**
- **Resources and Questions**

# Single Use License Model

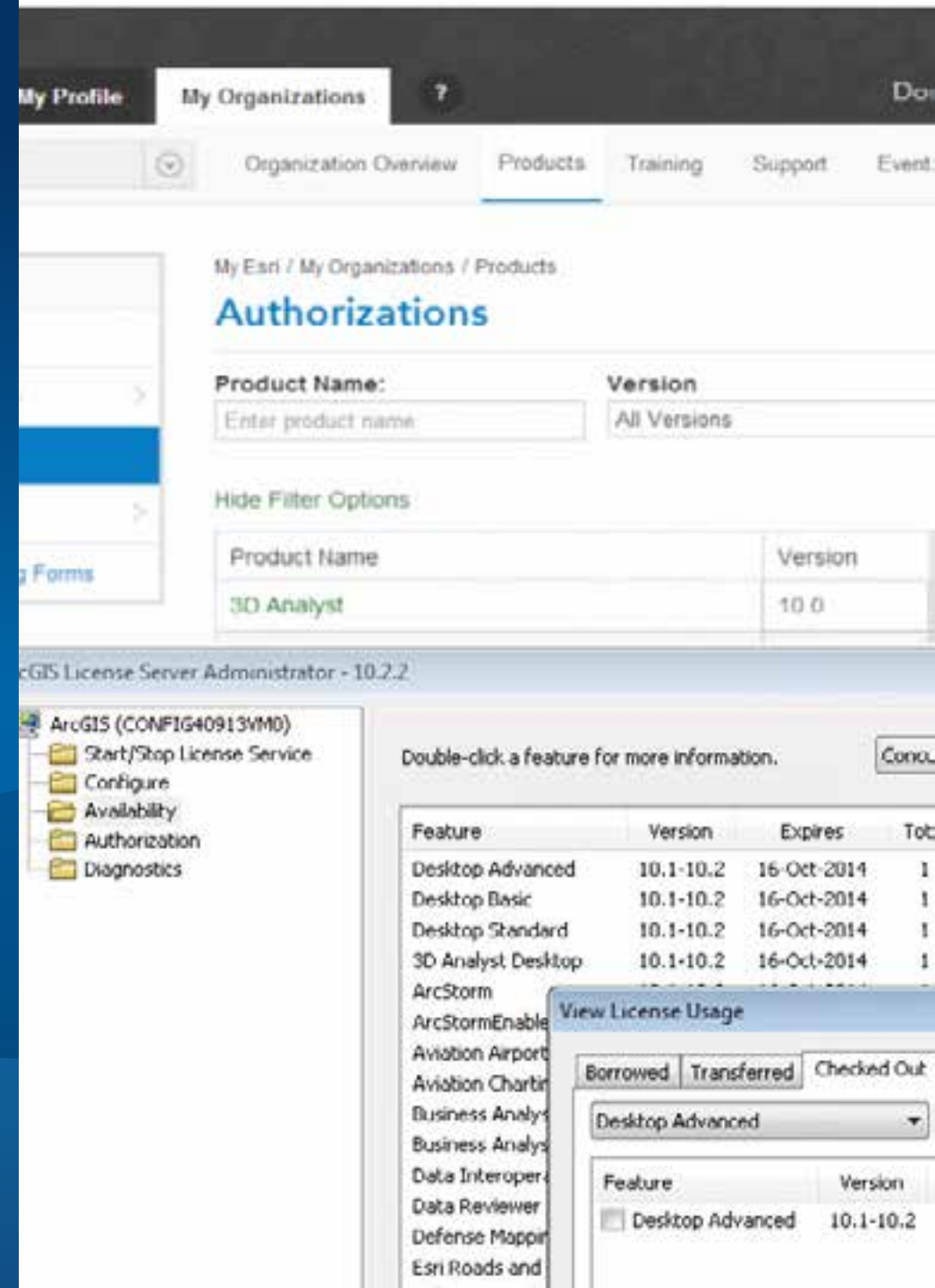


# License Models – Single Use

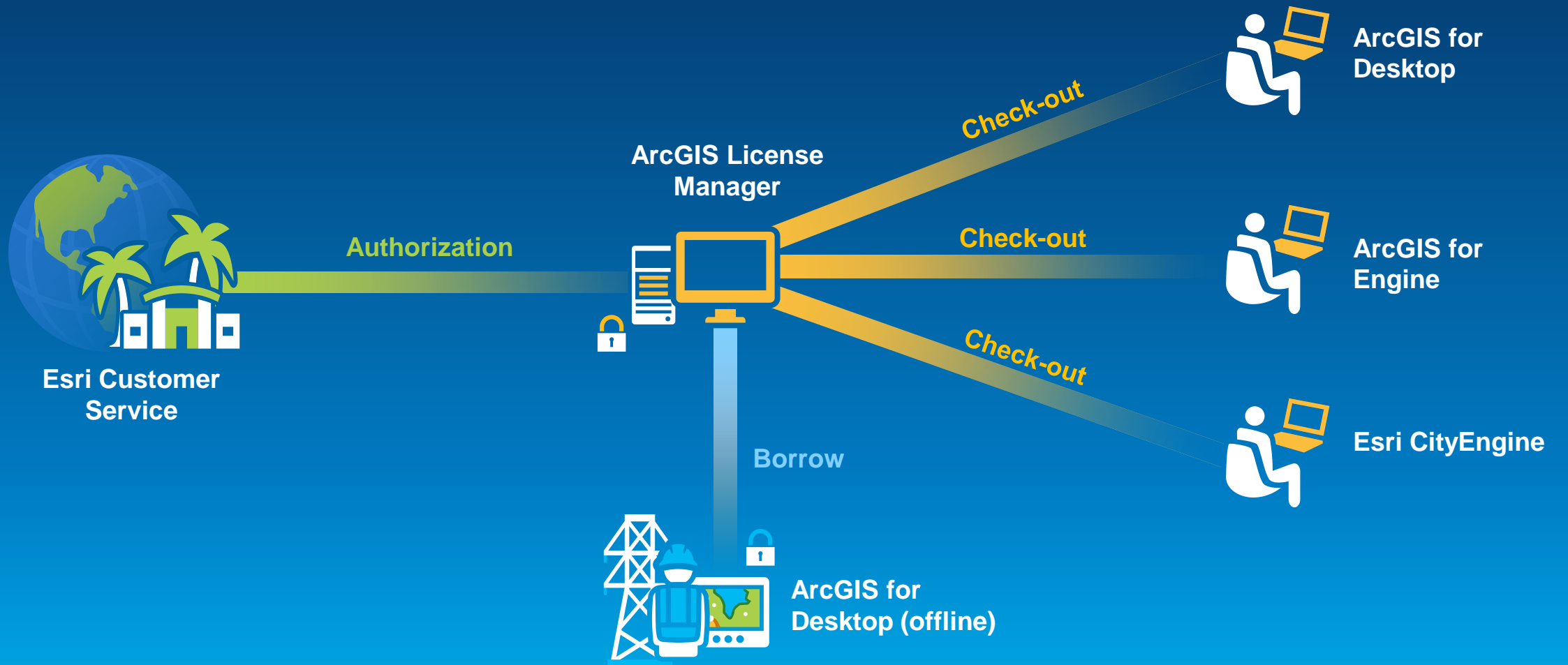


# Concurrent Use License Model

(AKA Floating License Model)



# License Models – Concurrent Use



# License Models – Other Products

ArcGIS for Server	ArcGIS for Portal	ArcGIS Runtime SDK
Nodelocked	Nodelocked	Developer license – No authorization required
No deauthorization – (uninstall and reinstall)	Enables a quantity of named users	Deployment license – Named user or embedded license string
	Reauthorize to add additional named users	

# Timeline of Functionality

10.0	10.1	10.2	10.3 (planned)
Customer Care Portal introduced	One step license upgrade (10.0 à 10.1)	Install upgrade of license manager	My Esri replaces Customer Care Portal
Desktop Advanced (ArcInfo) Single Use introduced	Force check-in of concurrent use features	No license upgrade or reauthorization required	Continued streamlined install/upgrade process
ArcGIS Engine Concurrent Use introduced	Selective deauthorization		Automatic retrieval of hung concurrent use licenses
Borrowing introduced			ArcGIS Pro to be introduced using Named User model



# Useful Information

## Helpful things to know...

- License upgrade process applies to 10.0 à 10.1-10.3 licenses only
- To specify a backup license server, use semi-colon delimiter, e.g. LM1;LM2
- License Manager restarts automatically on Windows reboot, but not Linux or Solaris.
  - Instructions are included in the license.boot file installed in license10.x/bin.
- To configure concurrent use licensing to work through a firewall:
  - Set vendor and lmgrd daemon TCP/IP ports using service.txt found in install directory; lmgrd daemon uses ports 27000-27009. Vendor daemon can use any preferred port.
  - In ArcGIS Administrator use “port@host” or “port@ipaddress”. Port is always the lmgrd port. E.g. 27000@mylicmgr
- For network latency, FLEXLM\_TIMEOUT environment variable can be set to override the default timeout. Value is in microseconds, thus 15 seconds=15000000

# Resources

- [My Esri Guided Tour](#) – Must be logged in to view
- [Quick Start Guides](#) – The minimum you need to know to get going.
- [License Manager Reference Guide](#)
  - Also installed with License Manager software
  - Options file instructions also included
- **Problems or Questions?**
  - Technical/Authorization Issues à [Esri Technical Support](#) or Local Esri Distributor
  - License Availability or Purchases à [Esri Customer Service](#) or Local Esri Distributor

**Thank you...**

- **Please fill out the session survey:**

**First Offering (Tue, July 15) ID: 1714**

**Second Offering (Wed, July 16) ID: 1738**

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