ArcGIS Server Web ʌ ʊ̈

Esriʌ ʃ ɛ ˥ Ж ζ ω̃ ᴗ ʒ ᴎ ɨ ɗ

esri China BEIJING

分 享 地 理 价 值

ڑ ا ภ ḳ

- Å Web ∧ ڍ Ở ղ
- Å Feature Service ∧ ڍ ᵍ ˜
- Å Web ∧ ڍ ʃ ˜ ‹ ‘
- Å Ɛ ڑ Web ∧ ڍ ˝ ⎯ Ф ա
- Å 10.1Web ∧ ڍ À A ≠ ớ

esri China BEIJING
分 享 地 理 价 值

Web ㅅ ㅸ Ở ɳ



Web ل ذ ا ر ب ا



2010 ArcGIS Server 10

Feature Service
&WFS-T
&ADF Editor Task
& ذ ر ف ا AO

2009 ArcGIS Server 9.3.1

WFS-T
&ADF Editor Task
& ذ ر ف ا AO

10 q > و OBJ ب

10.1 q > Feature Service ق ل ر Ă

2008 ArcGIS Server 9.3

2006 ArcGIS Server 9.2

ADF Editor Task
& ذ ر ف ا AO

2005 ArcGIS Server 9.1

2004 ArcGIS Server 9.0

ذ ر ف ا AO

09:03:09

ز ٶ پ ٧ AO ڄ א Web ٨ ڏ

Å ọ ٹ ٭ ţ

ï ⁒ ủ AO Ầ ٨

ï ⁒ ủ AO ٨ ڏ ㅛ ٧

ï ⁒ ủ پ ٧ ز ٶ AO H

Å Ầ ٨ ộ ت

ï Local Á Ẫ ف ì ş ğ Ơ ก

ï n ệ Ơ ก ʰ i ï ά ε servercontext ζ

ï ں ص ServerContext ¸ ấ پ ٧ ٤ ٤ ỷ AO Ḿ ع ٨ ڏ ļ ٨

Å Ẓ ٶ ừ ᄂ

ï ں ص WebService ڄ א ٧ ɒ web ٨ ڏ

ï ƍ ADF ٨ پ ٧ ز ٶ AO ڄ א ٨ ڏ

09:03:09

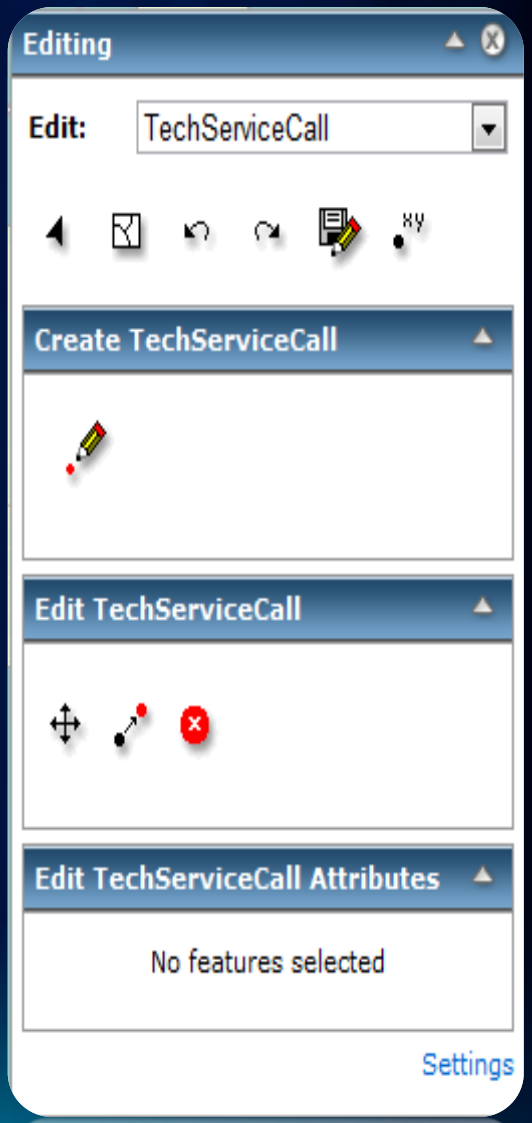
esri China BEIJING

分 享 地 理 价 值

ADF 从 EditorTask

EditorTask 可以与 Web 应用程序一起使用，以便与 ArcGIS Server 资源交互。下面是一些可以使用 EditorTask 执行的操作：

- 使用 EditorTask 在本地资源上创建新的 ArcSDE 版本
- 使用 Mxd 或 MSD 资源来定义 EditorTask 的行为
- 使用一个或多个 EditorTask 来编辑多个资源
- 使用 Web 应用程序资源来配置 EditorTask 的外观
- 使用资源来存储 EditorTask 的状态



09:03:09

WFS-T ḫ א ↓ ɒ ∧ ڏ

Å ℊ ‰´ OGC h

Ã ѽ ‰´ ı ₹ ƥ Web i ˋO n ş ת ļ ↓

Å ˡ Ȣ ن صMap Service ⊐ Geodata service ∧ ų

Å ˡ Ȣ q ↑ ᵀ OGC h OBJ WFS ¡ ¨A ↑ Ա ڎ

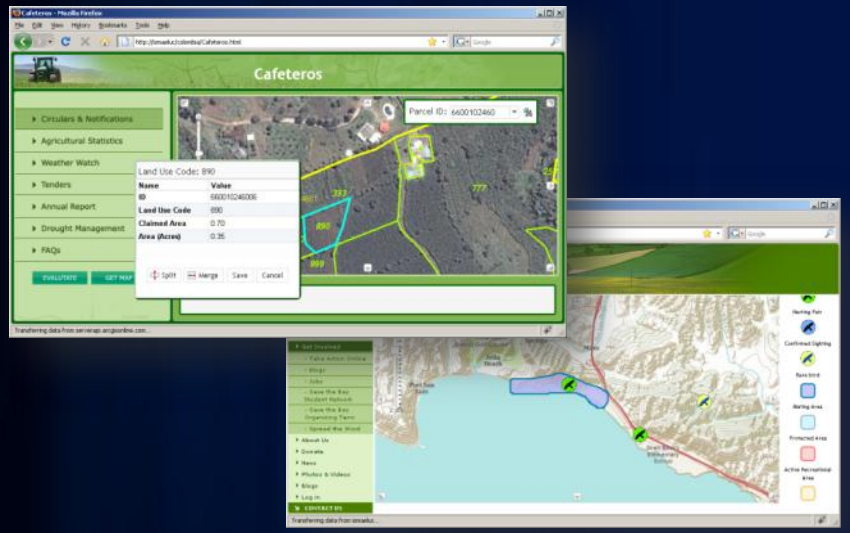
Å ᴱ ѽ ArcGIS Server ב ∕ ν ˜Ḥ ˈY

Å ᴷ ѽ ⁋ ƽ ArcSDE OBJ ˝Ǫ ˜Ω ˜Ḥ ˈY ن صWFS-T ∧ ڏ

Å ĩ ℊ Internet OBJ ∧ ڏ ₩ Ã

esri China BEIJING
分 享 地 理 价 值

FeatureService Web





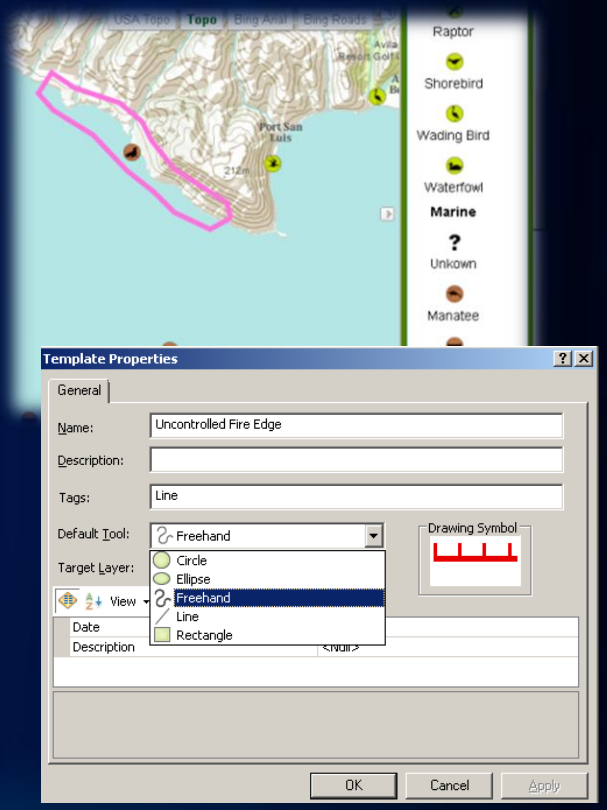
- Feature Template
- Feature Service:
- geodatabase

Feature Service



Ƙ ψ Ĩ FeatureTemplate ?

- Å ﾍ ﾕ ﾉ ķ [OBJ] ồ ὰ Ά Ã̃
- Å Feature Template ħ Θ χ
  - Symbol
  - ˡ ﾍ ﾕ ⊐ ᴱ ᴆ Ɽ́ ό
  - ﾚ Ɽ́ ό Ë
  - ﾚ [OBJ] Л ₩ Ã̃
- Å ƥ ArcMap ﾑ ħ Θ ı ƥ Ä ω ¡̃ Ä ヤ Æ ŕ
- Å ΰ ΐ́ y̰ ˜ [OBJ] ﾍ ﾕ ɥ ﾗ



09:03:09

Ƙ ψ Ĩ Feature Service ó

Å ArcGIS Server 10 ʌ [OBJ] À Ò Ո

Å Ф ш ɕ web editing

ï ɡ internet Ṅ ώ Ψ ò گ geodatabase

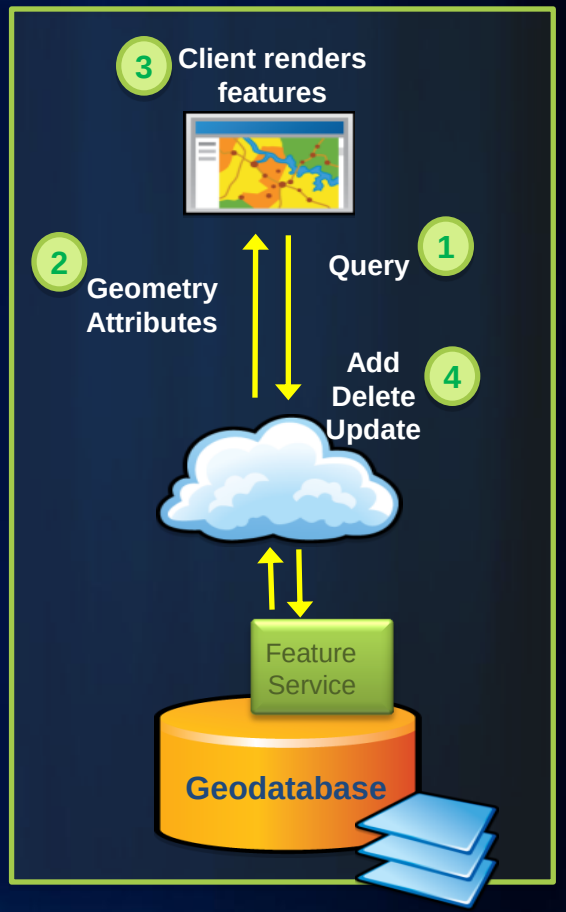
Å ¶ Ĩ ˜ ʎ ª ¯ ˬ ˇ

ï n ո geometries ⁼ attributes

ï ¡ Ä ϒ ... ļ ⊬

(Ь ؘ ɡ ... ı ş ɡ ╦ Ụ ώ ˜ ə) ,

Å ɳ ↑ õ , ᵠ Ẕ ồ ﻉ , RESTful service

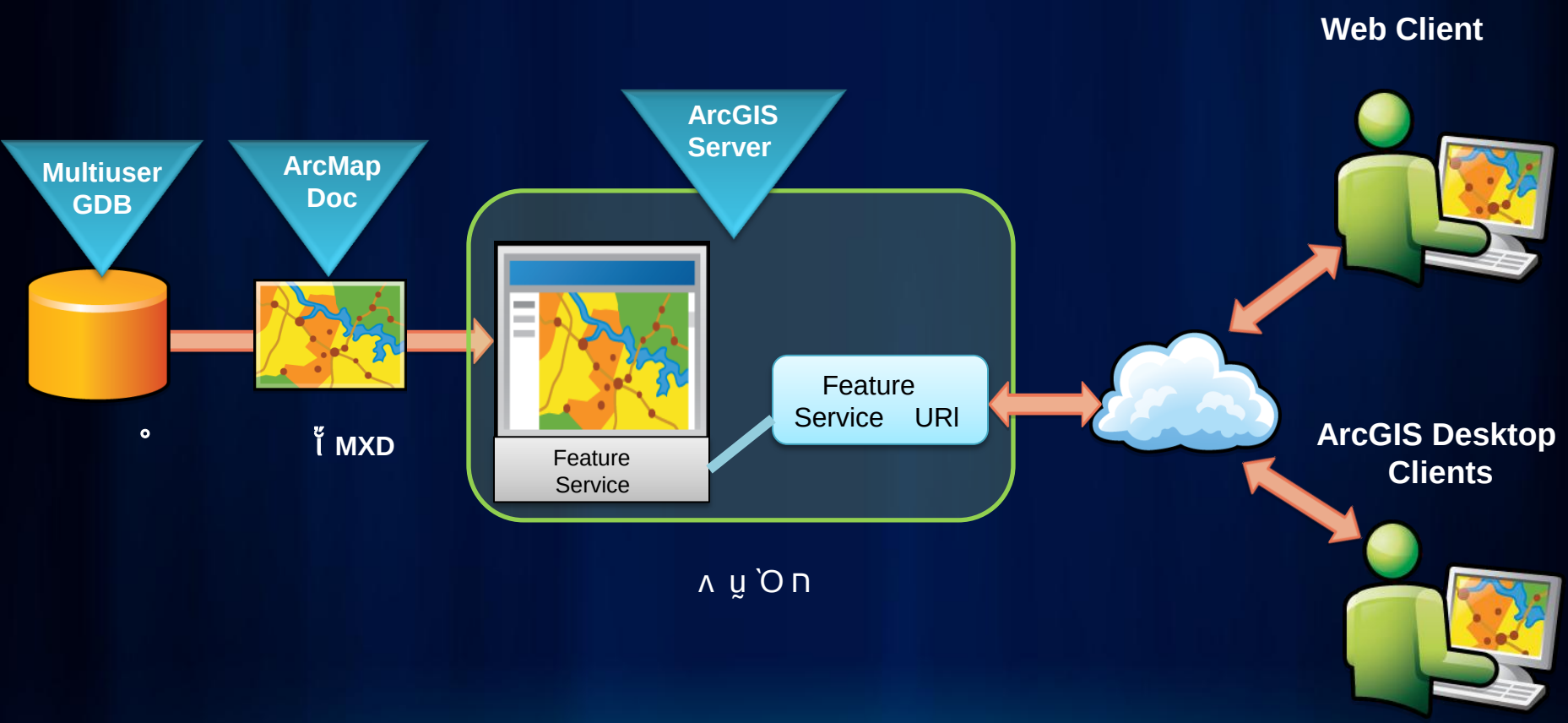


Feature Services ي لأ ?

(٤)

09:03:09

þ M ấ Web ʌ ɜ̈ Z̲ ɨ



09:03:10

´ ţ ﾍ ﾕ ˝Ω˜Ω

Å ḧ Θgeodatabase ₩ʒ

- Feature types (geometry, attributes, attachments)

j ˜Ḥ'Y˝Ω˜Ω ɻ ʒ χ g l p h q w l r q v / w h u u d l q v ə

Annotation	dimensions
terrains	raster datasets
Attributed relationship classes	many - to - many relationship classes

Å . ɲ ĩ ɛ ı Ꝏ ﾍ ﾕ

- ˝Ω˜Ω ọ ɾ ├ q˙ ArcSDE geodatabase
- ₱ ɹ ArcSOC ŕ ˝A˝Ⴑ ƀ ᴗ
- j ọ ├ q ₥ ∨

ᴗ ˚ ĩ geometric networks, parcel fabrics ヤ ᵸ ˝Ω˜Ω ɻ ʒ

09:03:10

Φ ш ч ̈ ̂ ̂ ⋌ ̈ ̈ ̈

Feature Service symbology h…

Å ᴱ ˜Ḥ'Y … ↿ ʒ [OBJ] Ḍ ﻭ

Simple Renderers
Unique value renderers(multiple field not supported)
Class break renderers

Å Symbol ˜Ḥ'Y

ï ˙ Ṽ ¨A ω ↾ ᴺ ᵯu˜Ḥ'Y ı Ꮋ ĩ ¡ ¨A ↼ ᴵ ĩ₅ ᴗ ᴗ ↿

Point layer	Simple marker	Picture marker
Polyline layer	Simple line	
Polygon layer	Simple fill	Picture fill

ï Halo j ˜Ḥ'Y

ï Representations ı ά [OBJ] cartographic j ˜Ḥ'Y

ï ò □ Æ ɾ RGB ; ˘ … ↾ ᴺ ı ᵋ … ᵽ ᶎ ¨ΩRGB̄H ı h ω˘ T̲

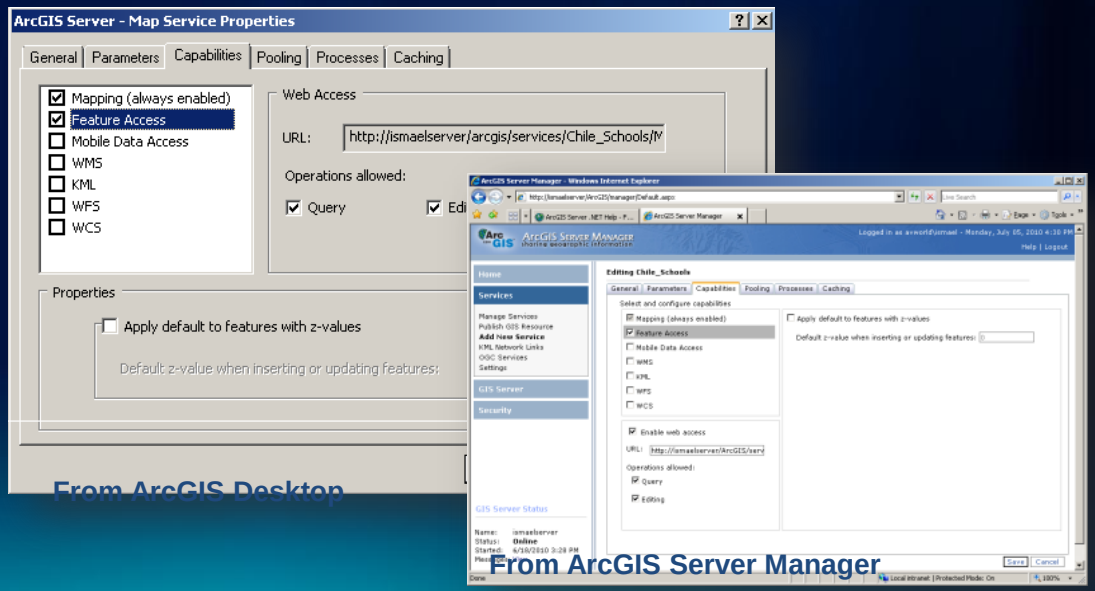
Λ ų Feature Service

Å Feature Service ĩ ş g, Ȯ Ո OBJ ı ť

Å ọ ɾ Λ ų ş g, Ȯ Ո ı ł ɑ k ŧ *Feature* Access

ï *ώ ˜ : ϙ Ḅ ϰ MSD Λ ų ı ắ j ĩ ϰ MXD Λ ų*

Å Ḡ ϗ í ª Ʊ Ḛ Ȯ Ո ¯



09:03:10

þ ˈ ˛ ₾ ə

Å Feature Service ƞ | ᵏ ʊ ¸ Ẃ ⊃ ɬ

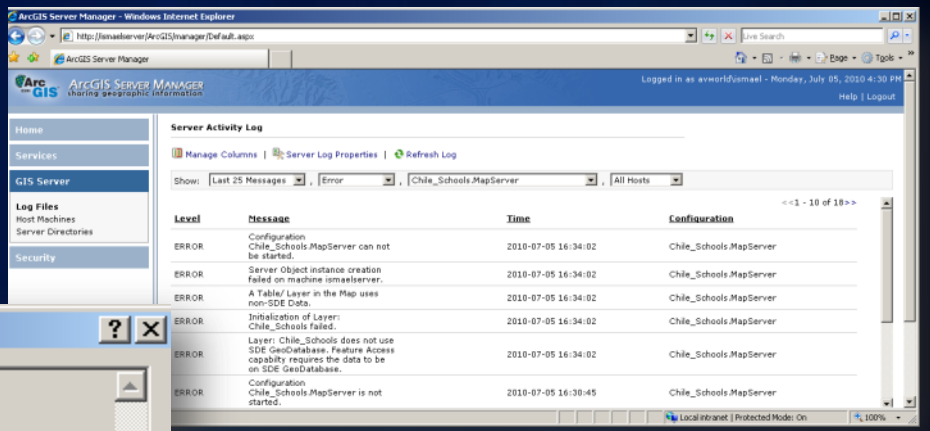
ü ArcGIS SOC ɾ ¨A ƞ | ԝ ƀ Ợ Ỗ

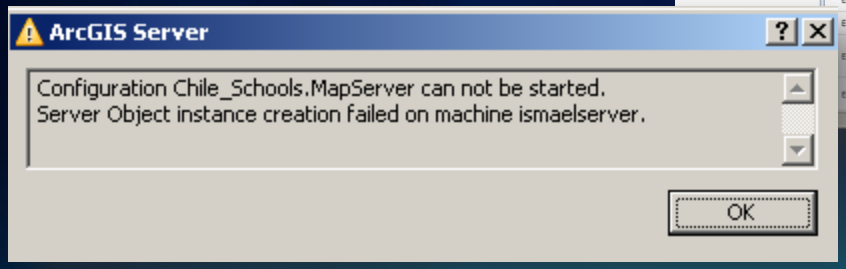
ü ş g ʌ ¨Ợ Ỗ ˈ ˡ ₅ ArcSDE

ü ş g ʌ ¨Ợ Ỗ ˡ ₅ ^ Ѧ ArcSDE Ṫ Ă Ⱳ ƀ

ü … Ά Ã j ˜ Ḥ Y

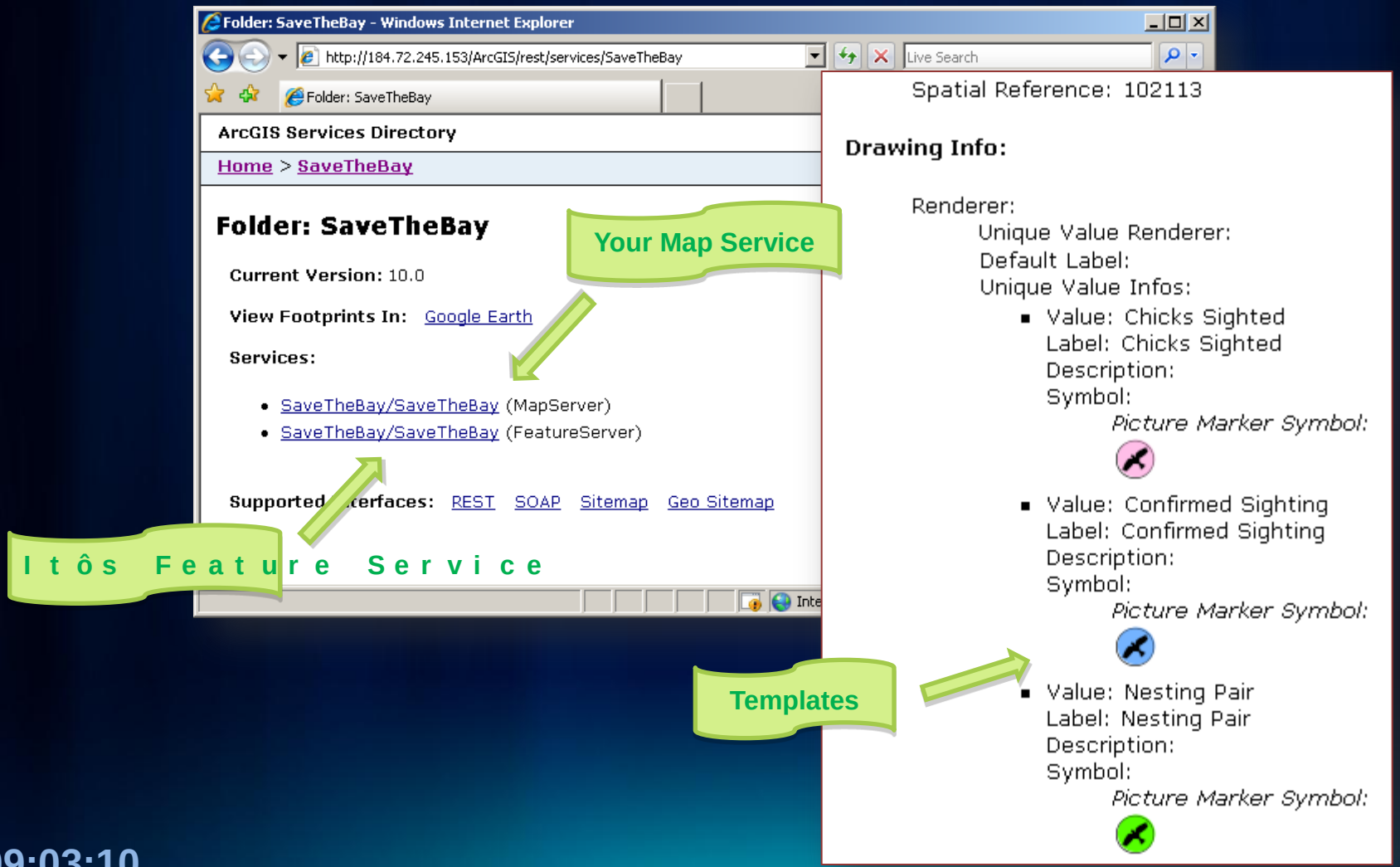
Å ↑ ˜ ɳ Ố





09:03:10

ص ن Services Directory ¶ ˜



09:03:10

J̌ ̈O گ Ẹ OBJ ¡ ̃A ۱

Professional Desktop seats



ArcMap, AutoCAD
Full blown editing
Check-in-out model + Fully connected

Browsers and iPad-like



Update attributes
Simple non-accurate sketching (point, line, poly)
Fully connected

Phones



iPhone, Android
Update attributes
Simple non-accurate point collection
Fully connected

09:03:10

Feature Service basic Demo

م بمغي

ٔ ٔ ٔ

ٔ ٔ ٔ

ٔ ٔ ٔ

Web ﻝ ﺩ ﻑ ˜ ˋ ‘



09:03:10

Web ﾍ ﾟ ﾌ ﾞ ﾞ ﾞ

Å ﾛ ﾄ ﾆ Ŗ ó ﾍ ﾟ

Å ﾍ ﾟ ﾋ [OBJ]Geometries ﾆ Symbology

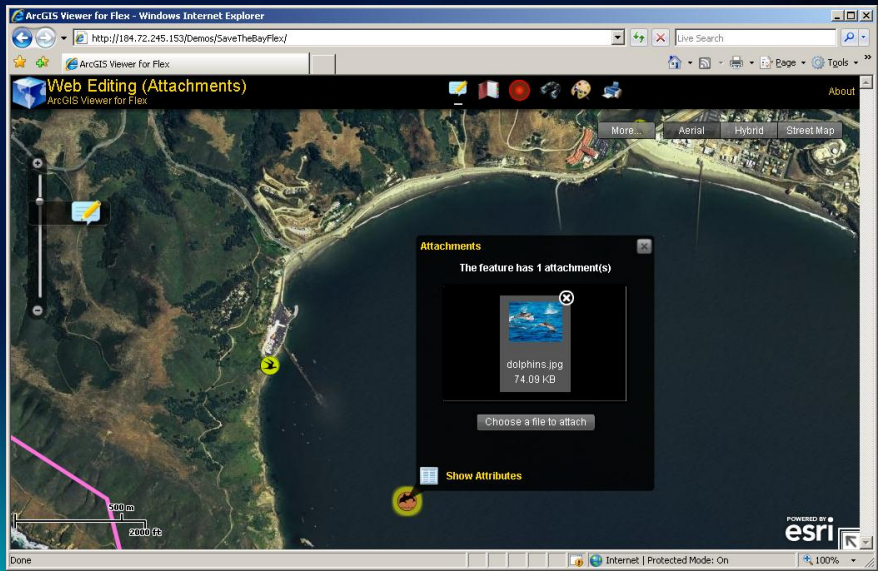
Å ﾊ ў [OBJ]Web ﾍ ﾟ

esri China BEIJING
分 享 地 理 价 值

Geodatabase گ ţ ۸ ڏ

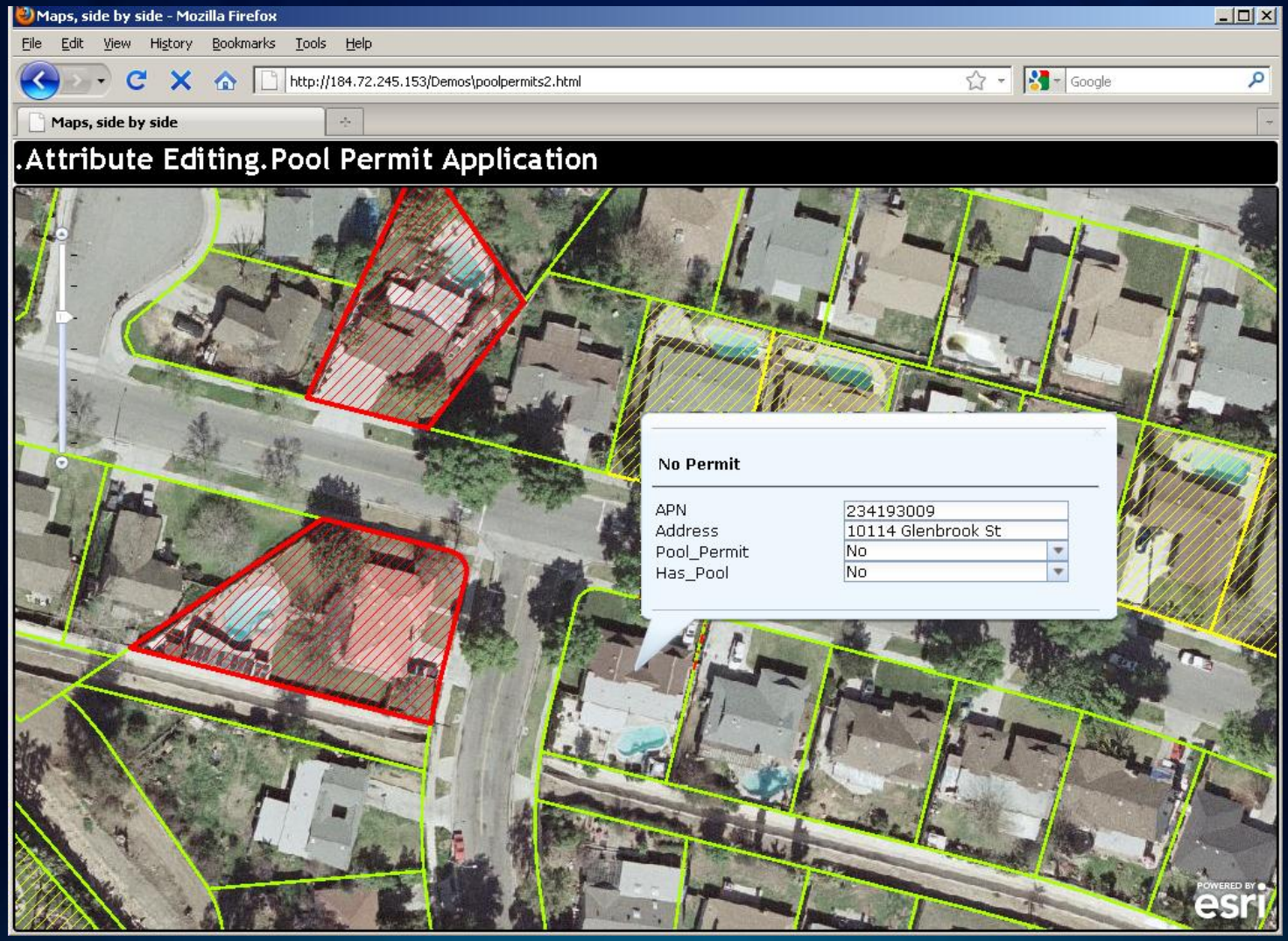
- Geodatabase گ ţ
  - ժ ļ ۸ ԋ ĭ ă ţ
    - ü Video, picture, pdf / } l s ə
  - Å Ɋ Blob è Ч ƍ geodatabase
  - ժ1 Ḿ ^ ԋ ۸
    - ü One feature, many attachments

- ۸ ڏ ∪ Ễ
  - Å Desktop
  - Å Web(Attatchment Editor)



09:03:10

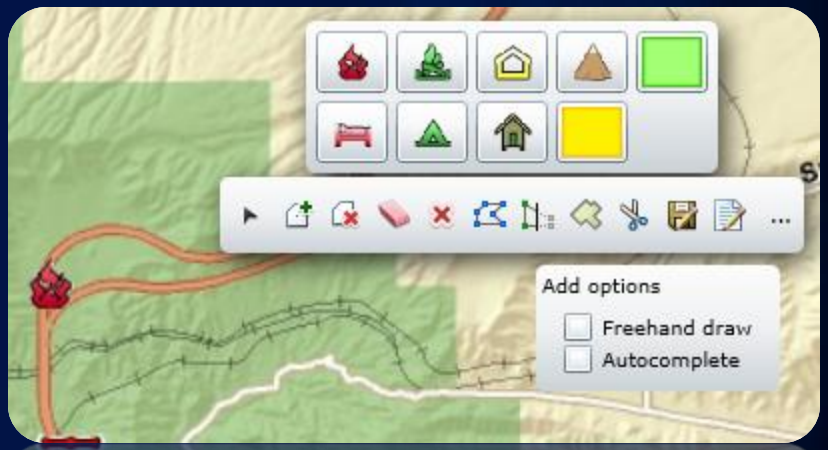
R ó ʌ ʒ


Maps, side by side - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://184.72.245.153/Demos\poolpermits2.html
Google
Maps, side by side
.Attribute Editing.Pool Permit Application
No Permit
APN 234193009
Address 10114 Glenbrook St
Pool_Permit No
Has_Pool No
POWERED BY esri

ArcGIS Web APIs [OBJ] ʌ ʊ í ţ

ẁ ˈ ¨ ồ ॐ ⚌ ấ ị ¨A ƿ ʌ ʊ Ẓ ɾ [OBJ] Ṫ ʊ Ḿ ɛ

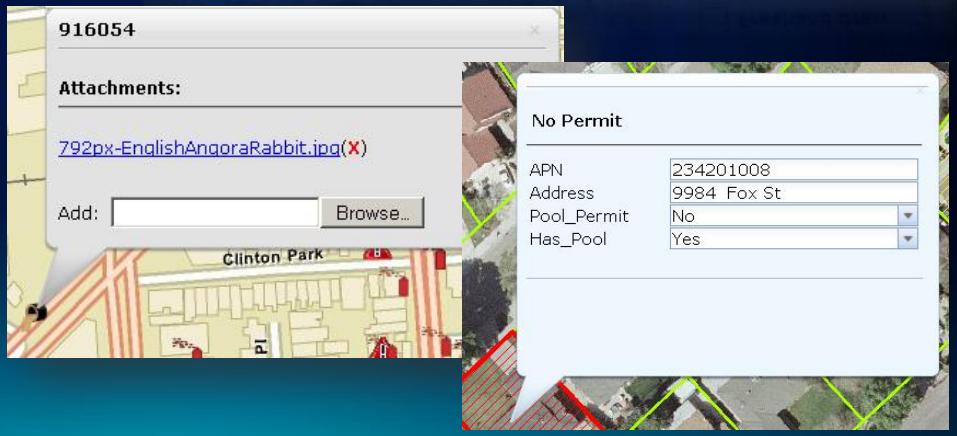
Template picker and edit toolbar



Template Picker

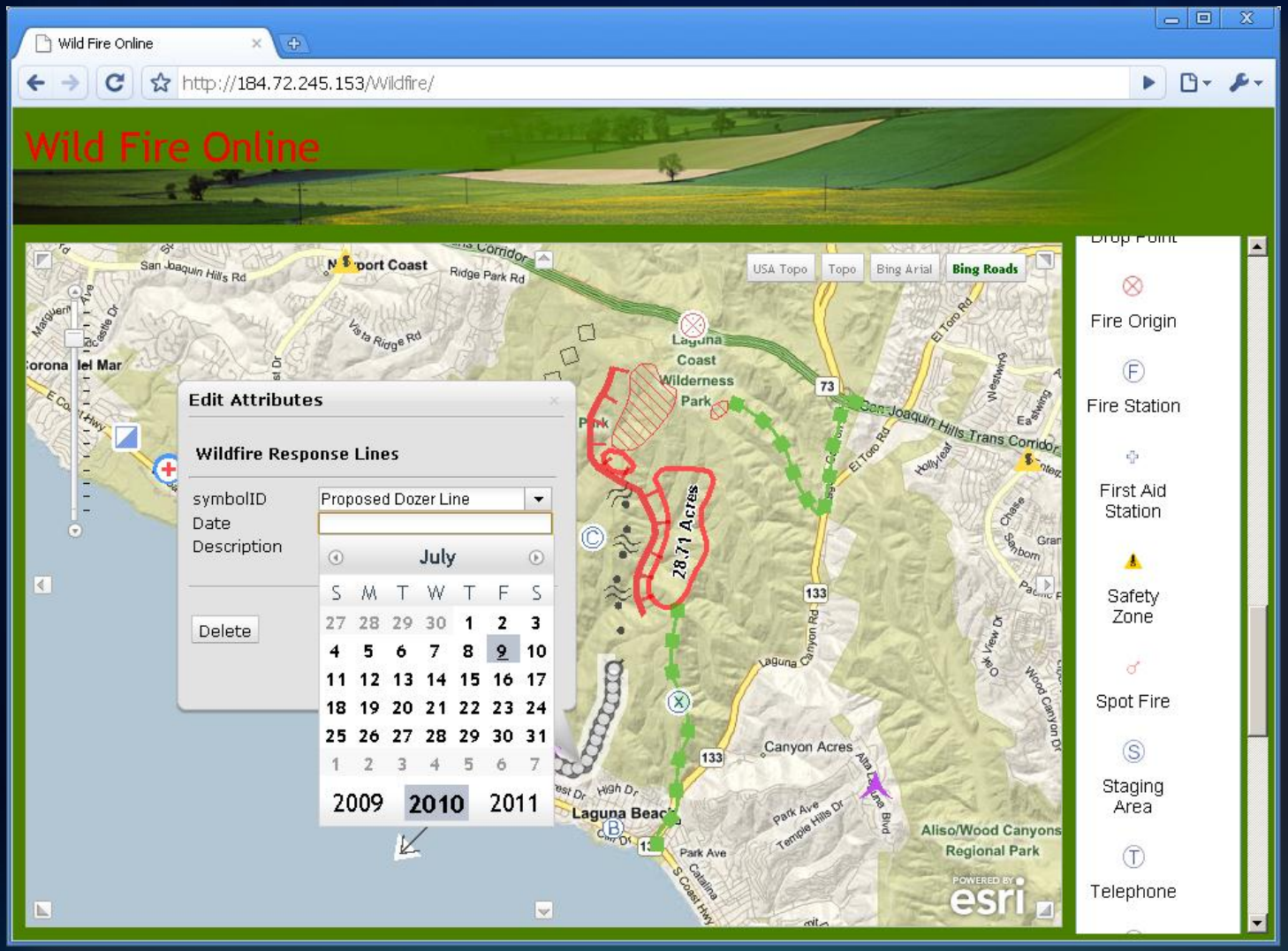


Attachment editor and Attribute Inspector



09:03:10

ﾚ ﾝ ﾑ geometries ﾆ symbology



09:03:10

Ɲ ɟ Feature Layer

ɗ ị̃ ‶A ϒ Ḿ Feature Service ⸨OBJ⸩ ī ɱ Ḿ ɛ

ɗ ϒ Ɲ ɻ ↓ ḅ Ḿ:

ü ɋ n ɲ ˙ ị̃ ‶A ϒ

ɗ Snapshot , On demand, Selection only

ɗ ɋ …

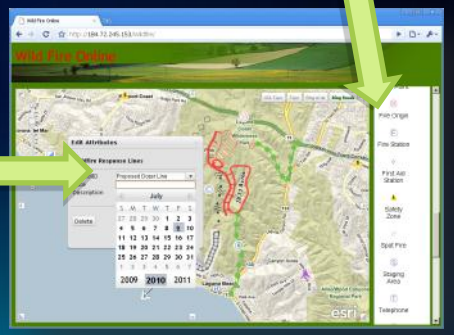
ɗ ⅄ ǐ ᵀ Ꝙ ï í ʇ Æ ɾ

ɗ Attribute inspector, Template Picker, Attachment Editor

ɗ Editor widget

Template picker

Attribute inspector



09:03:10

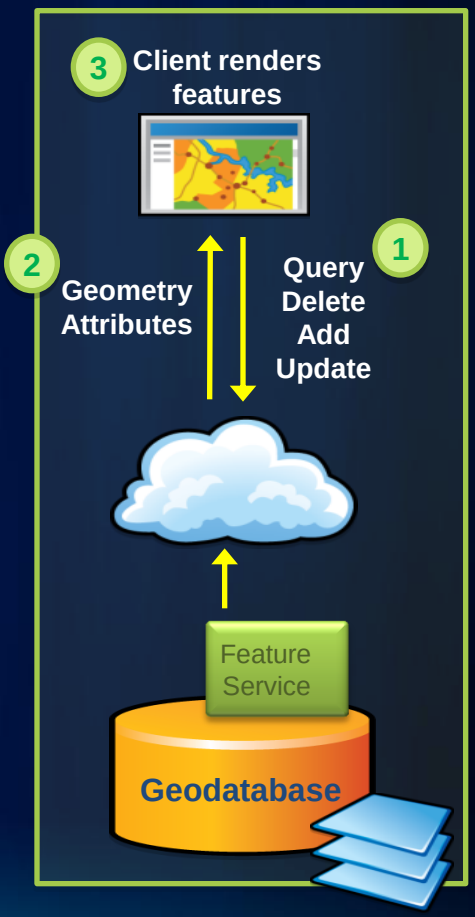
ŕ Feature Service ف Φ Web ﻝ ڈ ₩ Ã I

ڑ Ủ˜ 渲染 Ꮯ ৻

ժ ļ ৻ ƥ ڑ ˜A ৻ …(Feature Layer)

ժ Ⱪ ớ n ח ২ մɦ ļ ৻ (Snapshot mode)

ժ ắ ầ ˜Y ɹ n ח (On demand mode)



ժ ĸ ˜Ḥ'Y ArcGIS ৻ ᴺ ẓ OBJ Ḍ ﻭ

ժ j ĩ̋ …ص ^ ļ ৻

ժ ṇ Ọ ⸗ polygons/polylines

ժ ˡ Ꝙ ŕ ş ɡ ╦ Ụ ώ˜ (popup)

09:03:10

٫ Feature Service ف Φ Web ٨ ڈ ₩ Ã II

ΐ ٢ ϐ˜ Ը ٧

ժ ļ ٨ ϱ ̀O ח ʜ ٧ … (Map service)

ժ⅛ Ⱪ ˜ ̀A ̀H ̀A ş ɡ

ժ ʞ ω̃* ϱ ɋ ٨ ڑ ⃞ļ ٨ Ǐ ˜ ϱ ¡ ̈A ٧

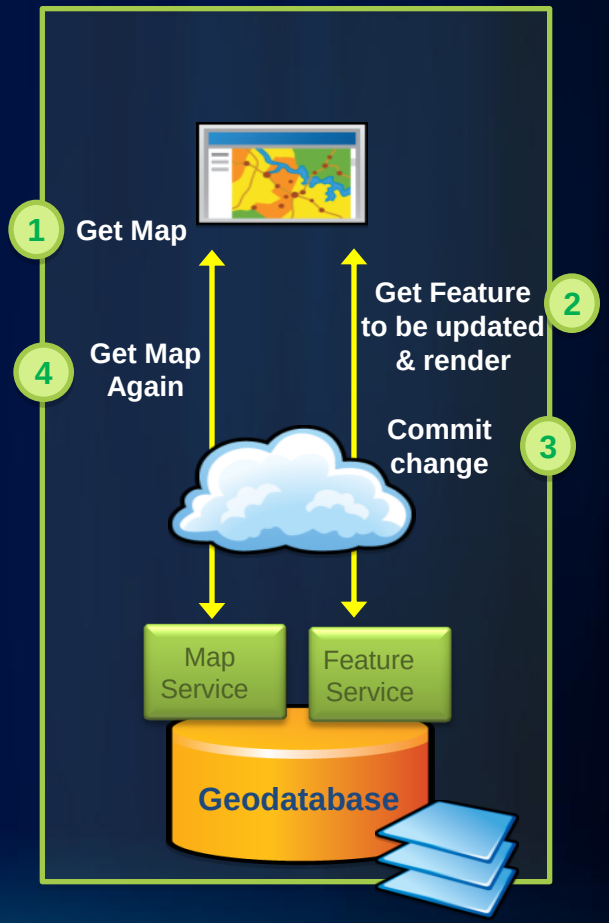
ժ ڹ ص FeatureLayer ⃞Selection Only

₩ Ã ɧ ٨

ժ˜Ḥ ̇Y ϗ ሀ ٧ ᴺ

ժ ׀ Ꝙ ٨ ڑ ˜ ∧ ⊐ ˜ ʁ ⃞ļ ٨

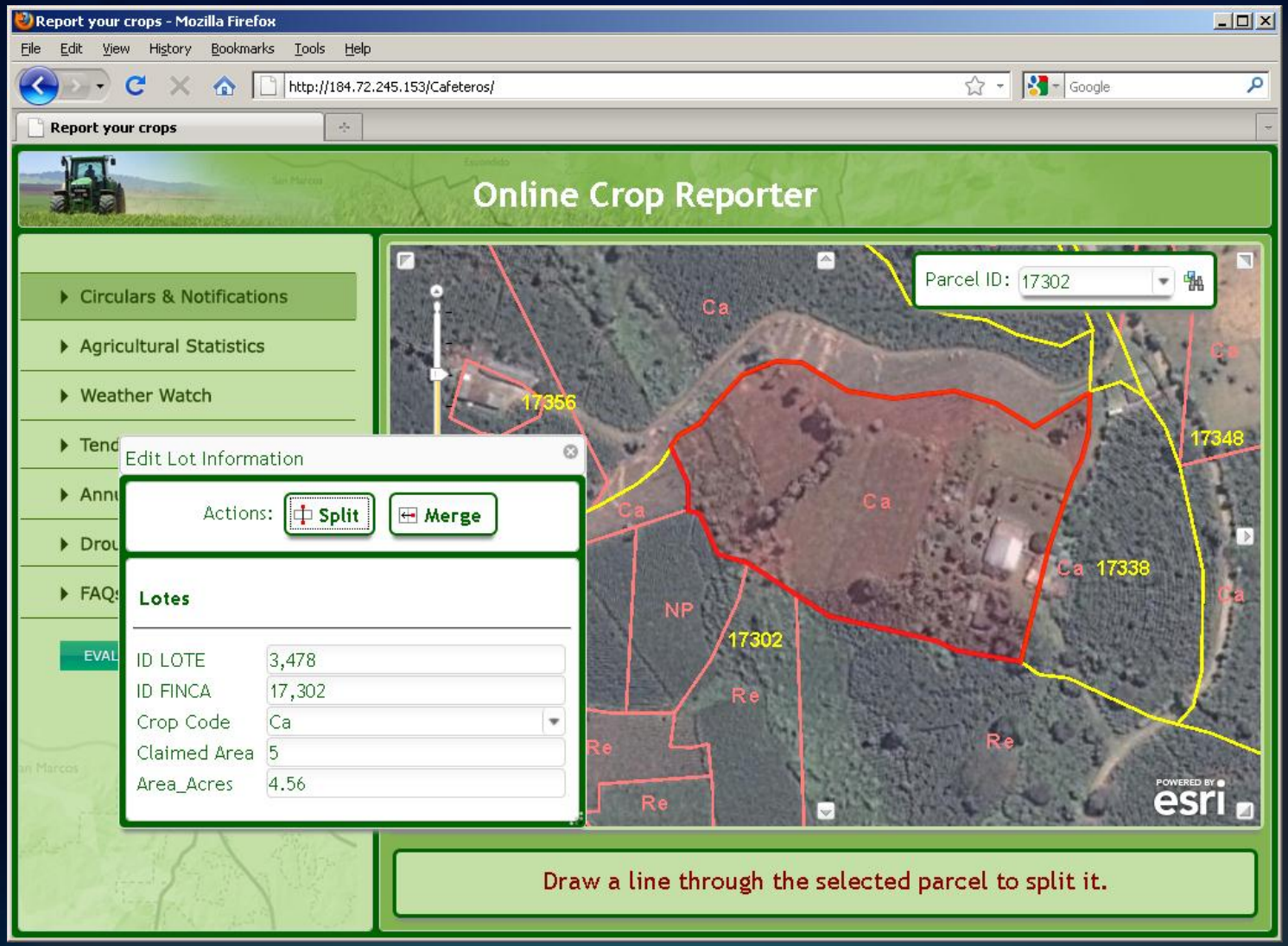
ժ ő ׀ ΐ Æ ٫ MSDs



Ⱶ

09:03:10

ћ ў Web ѧ ѕ


Report your crops - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://184.72.245.153/Cafeteros/
Report your crops
Online Crop Reporter
Circulars & Notifications
Agricultural Statistics
Weather Watch
Edit Lot Information
Actions: Split Merge
Lotes
ID LOTE 3,478
ID FINCA 17,302
Crop Code Ca
Claimed Area 5
Area_Acres 4.56
Parcel ID: 17302
17356
17348
17338
17302
Ca
NP
Re
POWERED BY esri
Draw a line through the selected parcel to split it.

Geometry Service

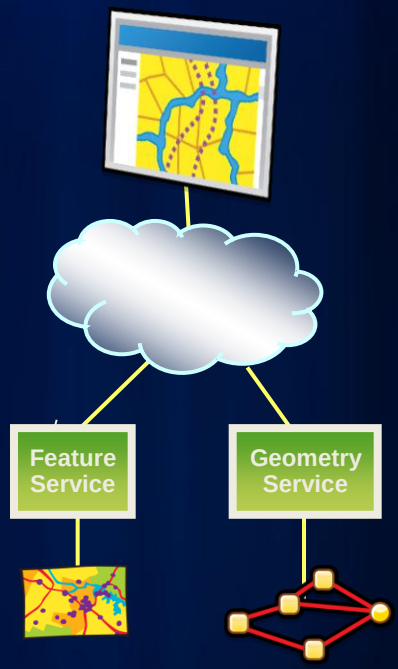
- ₹ p web i ق Φ ₹ Geometry ظ ∖

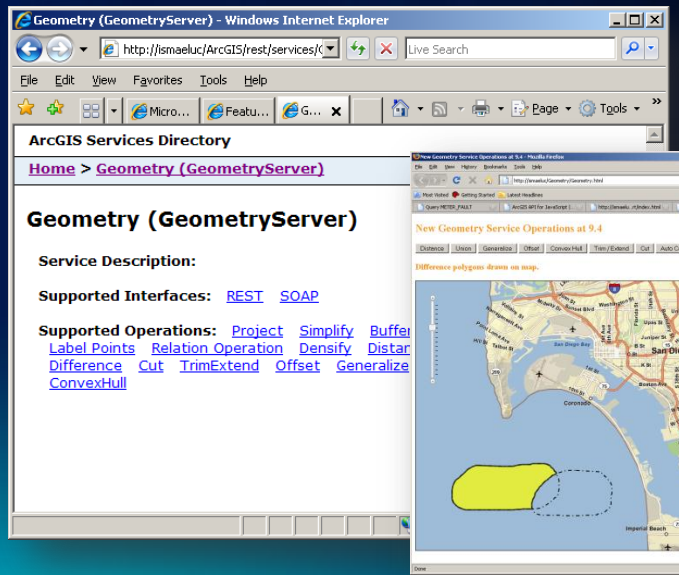
ɗѡ ∧ ų ĩ p 9.3

- ï Get Areas and Lengths, project
- ï Relational operators
- ï Simplify, Buffer, Label Point

ɗ p 10 ∧ Ȁ ч Ḥ Ă :

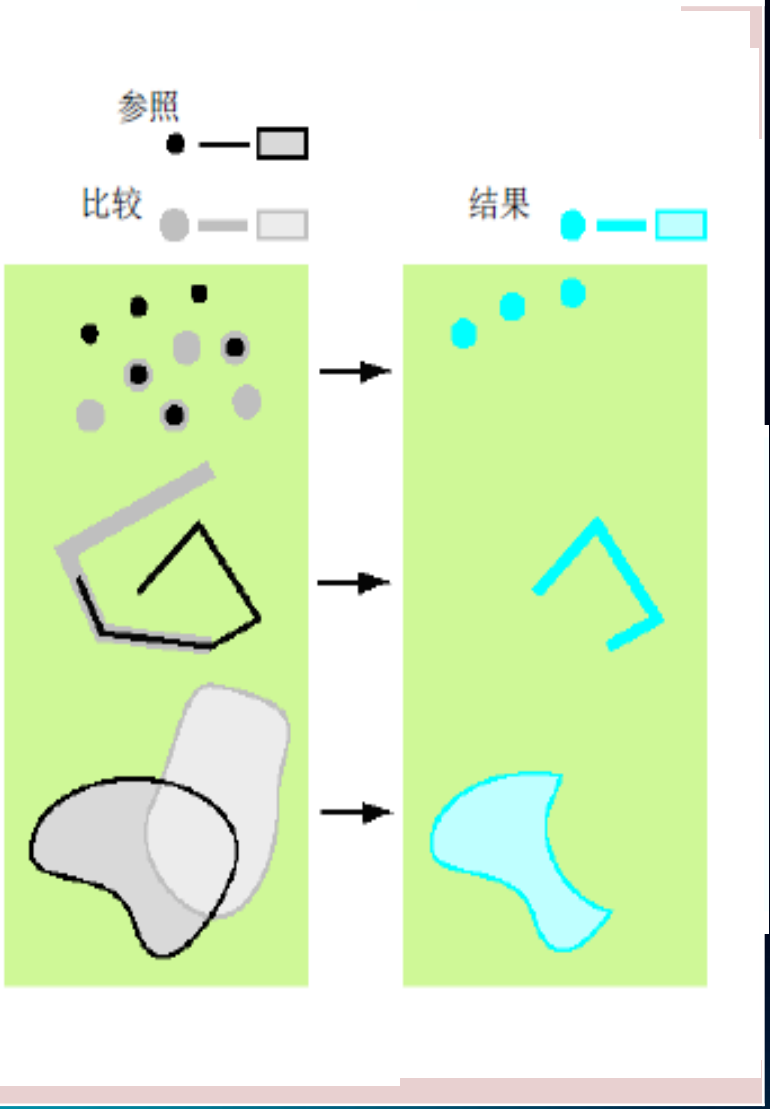
- ń Union, Intersect
- ń Trim / Extend , Autocomplete
- ń Reshape, ConvexHull
- ń Cut, Offset
- ń Densify, Generalize
- ń Difference,Distance





Geometry Service

₡ 6	`
Autocomplete	৲ polygon ᷈ ᷉ ᷊ Φ ‖ Ḟ
Trim / Extend	° ᷋Ạ trim/extend polyline
Reshape	Reshape line ₸ . Ṛ № ‖ Ḟ
ConvexHull	₈ ᛘ Geometry ᷈ ‖ Ḟ
Offset	♣ ° ᷌ ₈ ᷌ Ꮼ Geometry , ᒉ
Densify	¡ ᷐ ᷑ ᵴ ᷒ ᷌ Geometry
Generalize	° ᷐ θ ᵴ ᷓ ৲ ᷈ Geometry
Difference	ẋ
Distance	₈ ᛘ ᷔ Ψ Geometry ₇ ᷈ ᷑ ᵴ



ﾈ ｲ ﾍ ﾟ Demo



ﾍ ﾟ ｷ ｾ
ﾍ ﾟ Ŗ ớ
ћ ў Web ﾍ ﾟ

09:03:10

ِ ِSOEِ ِ ِ ِ ِ ِ ِ ِ ِ

ِSOEِ ِ

ِ ِ ِ ِ ِ ِ ِ ِ

9ώ29ή ï A1χ30 Q2χ20

ArcGIS Server Ò Π н Ḿ ε Ë ῑ ε SOEζ ψ
ả

esri China BEIJING
分 享 地 理 价 值

ٮ ص ArcGIS Desktop ق Φ Internet ٨ ڈ

ۼ ۾ ۿ ћ ў ٨ ڈ ő ĩ Ɏ j ٬Ɏ ٨ ف ì ɟ ù ٬ ᒪ

Å Check-in / check-out Geodatabase א

ɗ ª ɬ ɠ Ṗ ٨ ڈ





Enterprise Geodatabase

Check-in/Check-out Geodatabase Replication

ArcGIS Desktop

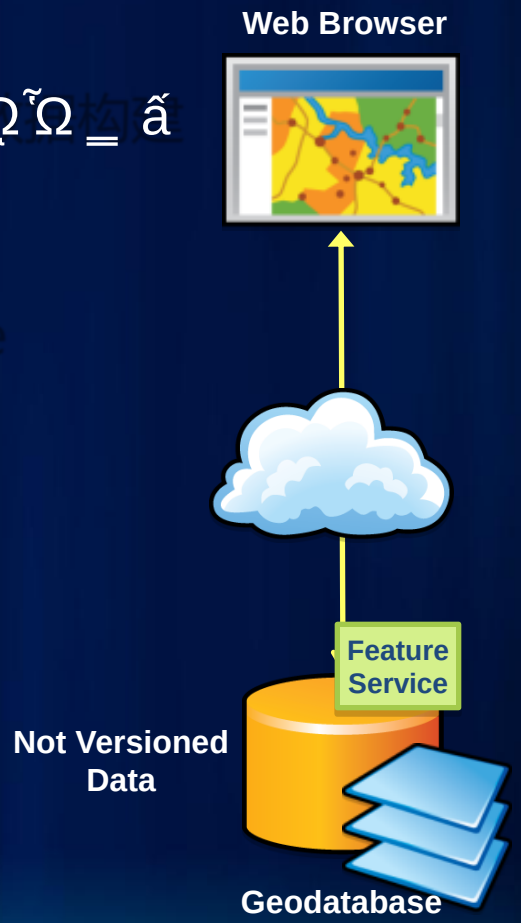
09:03:10

ε ʒ Web ʌ ɜ " _ Φ ɯ

09:03:11

Ⴌ ᗞ ᵒ ⴸ ⋏ ᴟ

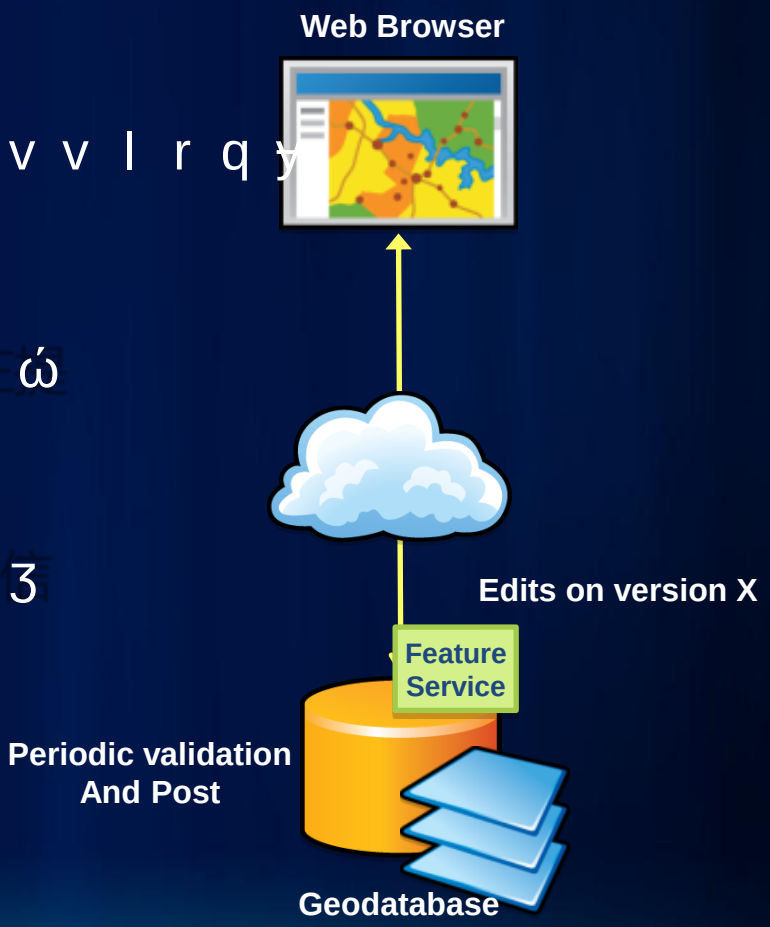
- Å Feature service ¡ Ḿ ᵒ ⴸ ᾼ̃Ω ⁼ ấ
- Å ᵅ ẗ̆ n ŭ
- Å ώ Ψ´ ì Ẓ ɾ geodatabase
- Å ώ ᒥ ᒧ ᑊ ᴩ ʒ ĩ ᑊ Φ
- Å ᾺO ᑎ ᵏ ɾ Ḡ ɤ ĩ ọ ⌊



09:03:11

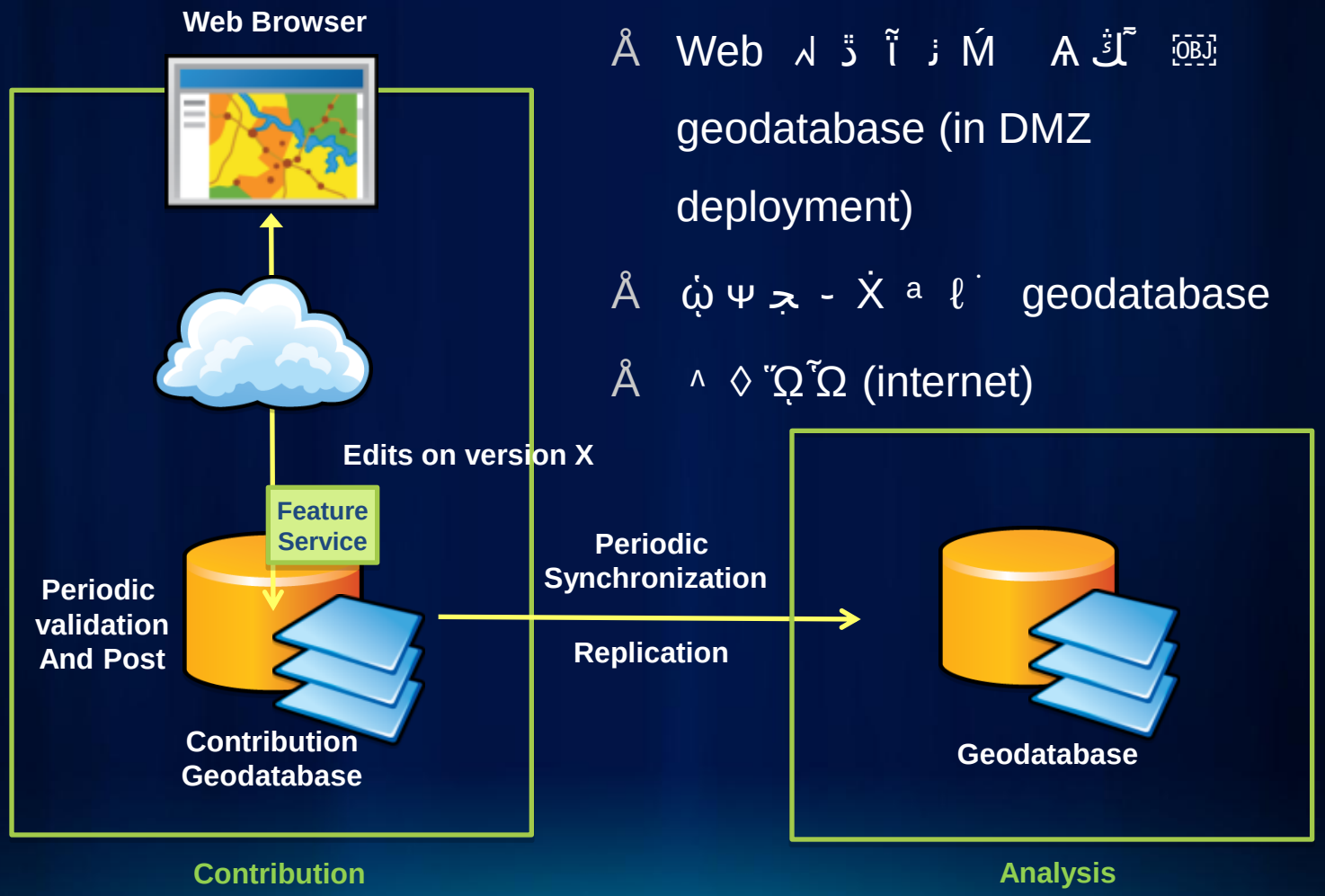
ⅴ ⅄ ⅁

- Å Feature service ⅋ ⅄ ⅈ
  ⅄ z h e h g l w v v h v v l r q
- Å ɑ ⅆ n ⅁
- Å ⅄ ⅇfeature service ⅄ ⅄ ⅄ ⅉ ώ
  ⅂ ⅀ v ɵ ⅎ q ⅇ -
- Å Ɛ ⅀ ⅄ ⅉ ³ ⅄ ⅆ ⅄ ⅁ j ⅂ ⅀
  ⅄ ɓ Ḡ ⅋ ɓ ⅄ ㄴ



09:03:11

ﻝ ﺫ ﻙ



Å Web ﻝ ﺫ ﺋ ﺯ Ḿ ﺍ ﻙ OBJ geodatabase (in DMZ deployment)

Å ﷺ ﻴ ﺟ - Ẋ a ℓ geodatabase

Å ﺃ ◊ Ṯ̃Ω (internet)

09:03:12

10.1Web ㄴ ㅋ ㅿ ≠ ㅱ



09:03:12

Web ﻫ ڈ Ά Ã OBJ ΄A Ψ ק

Å ﭖ ﻱ ﻟ ڎ AO OBJ ﻫ ڈ ₩ Ã Ṅ j W ̃Ḥ ̒Y

Å ADF Ṅ j W ̃Ḥ ̒Y ﻫ ڈ

- 10.1 ĩ ADF OBJ ϣ ª Ѧ ν
- ấ ɲ ﺵ ﻯ ˙ Web API

Å WFS-T Ϗ ɬ ̃Ḥ ̒Y

Å FeatureService j Ă Ặ ⁎ ı ΄A ш χ

- ̃Ḥ ̒Y ̈Ḥ Ă ں í ˙
- ̃Ḥ ̒Y ﻫ ڈ ﺹ ﻻ ˚ ت
- ̊ ̂ ̈ ̋A ϖ OBJ ﻟ ڎ í ˙

esri China BEIJING
分 享 地 理 价 值

ﾙ ﾟ ﾞĦĂ ﾑ ﾍ

Å ﾞĦﾘY [OBJ] ﾑ ﾍ ﾍ ﾅ

ï ｢ Ĩ ▌ ﾚ ﾟ ﾋ ﾆ Ѝ ﾑ ｣ ﾙ

Å ｕ ﾊ

ï ｐ ﾍO ∩ ﾑ ﾋ ﾙ Query Create Update Delete ﾞĦĂ

ï ｉ ﾞA ﾙ ₅ ｻ ﾍO ∩ ﾞĦﾘY [OBJ] ﾞĦĂ ｉ ｷ ｳ ｚ ﾚ ｻ ﾙ

Å ｂ Ｍ ﾋ ﾙ ^ Ṗ Ц ｽ

ï ㎞ ⅛ ﾅ ﾚ ﾞA ａ́ Ѧ ﾍO ∩

ï ⅛ Ѧ ﾍO ∩ Ã ﾑ ｊ ª [OBJ] ы ｐ ﾞĦĂ

Å ћ Ķ ﾉ ｑ ｑ ы ｐ ﾞA ｏ ﾞĦĂ

Å ｅ ｉ ﾉ ｑ ｑ ы ｐ ａ́ ⁼｢ Ĩ ﾞĦĂ

esri China BEIJING
分 享 地 理 价 值

ﷺ Feature Service ﷺ ﻻ ﺩ ﹾ ت

Å ﹾ ت ₭ ψ ó

ï د ӯ ﻻ ﺩ

ï ﹾ ت ﻻ ﺩ ﷺ H ڑ

Å ḅ Ḿ ḫ א ﹾ ت ó

ï ﹾ ت ٚ ٚ ﷺ ٚ ٚ و ﷺ ے ę ﻝ è Ч

ï ¨ á Creator ⊐ creation date È ﻉ

ï ¨ á Editor ⊐ Edit Date È ﻉ

Å ﻻ ﺩ ﹾ ت Ẓ ŕ ﻭ ے

ï و ﻲ ﺍ

ï ﷺ ψ ¯ H ڑ ﷺ ⁒ ﻡ ‘

ï ﷺ Ä ω ﻝ ے ﺍ

09:03:12

esri China BEIJING

分 享 地 理 价 值

ʛ ˆ ˆ ¨A ω OBJ Ш ڎ í ˙

Å ḅ Ḿ ḫ א

ï ℊ ¨Ω ˜Ω ؏ ۱ ˛ ¨Y ḧ ¨ á ą̈ È ؍

ï Check ɒ Enable ownership - based access control ɓ

Å ѡ ä ḫ ڀ

ï Creator È ؍ ڭ ઠ ą̃ ᴱ ح

ï ├ Ẏ ۸ ڗ ˚ ت ⊃ ¨A ω í ˙ OBJ Ţ ậ

Å ۸ ڗ ˚ ت ĩ ℊ ¨Ω ˜Ω ؏ ۱ ˛ ֆ ر OBJ

Å ¨A ω í ˙ ĩ ˋO ח ۱ ˛ ֆ ر OBJ

esri China BEIJING
分 享 地 理 价 值

10.1 FeatureService ف Ṅ ̃Ḥ ̔Y ̈ ^ ə ə

Å _ ấ א

Å ¸ م ɬ ●

Å ʛ̂ ɣ Ẏ ν ʌ ̈ڈ

Å ¶ Ĩ ̋Y ḧ ν OBJ ̋Ω ̃Ω

Å Spatial Data Server ا ۷ ∧ ų Feature Service

esri China BEIJING
分 享 地 理 价 值



esri China
BEIJING

分 享 地 理 价 值

09:03:12