



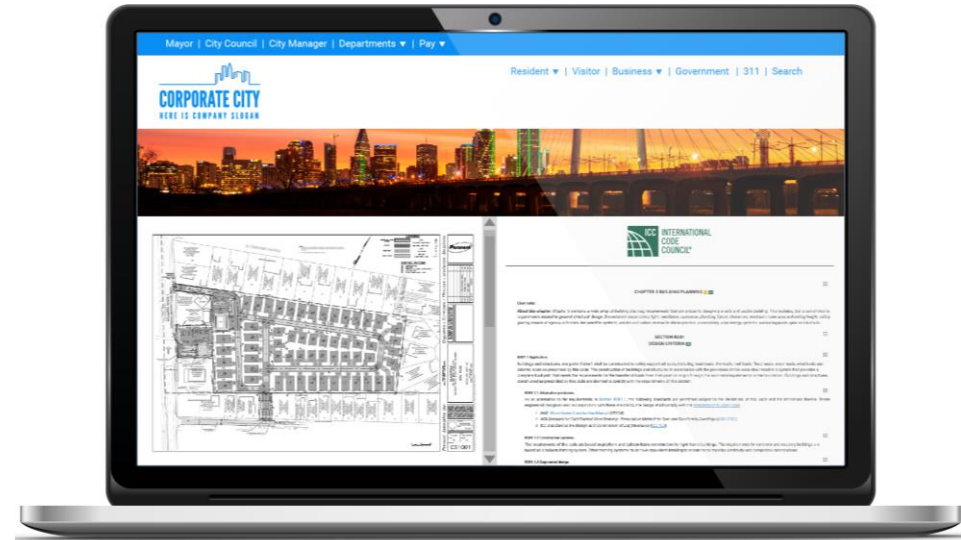
ICC Code Connect API

Empowering Organizations with ICC Code Content Integration

A seamless solution for Integrating ICC Code Content with your workflow application

Workplace Integration

ICC Code Connect API provides organizations with instant access to the latest building code requirements within their existing workflow application



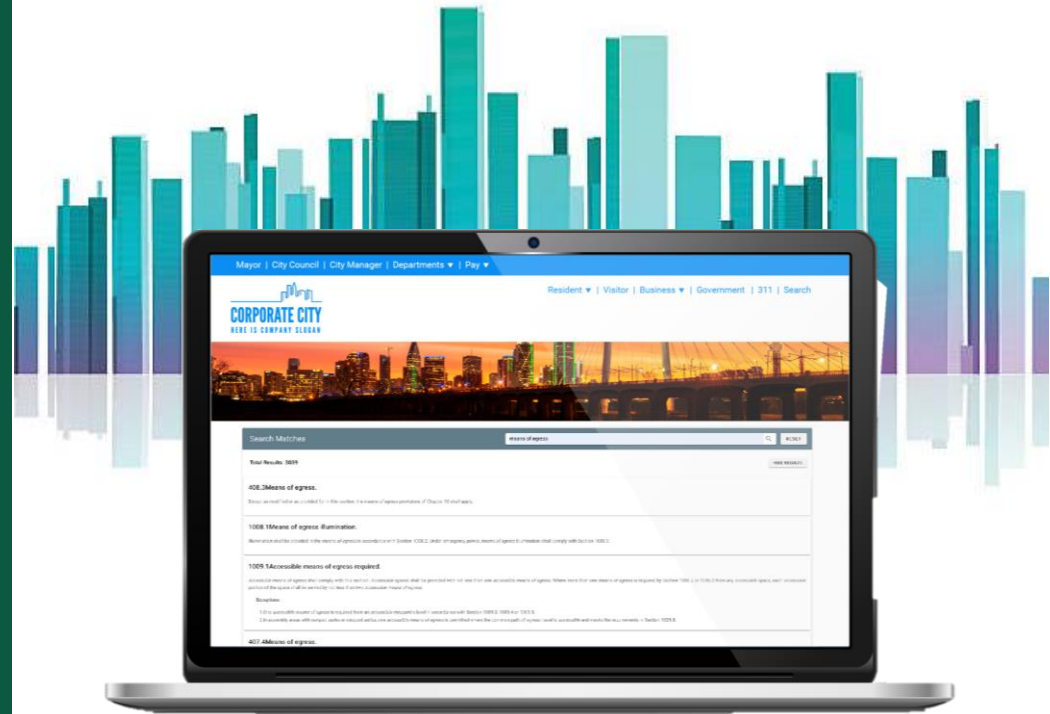
“Easy access to the fire, building, and mechanical codes that I use every day. It is fantastic.”

David, Engineer

Empowering Institutions with seamless control and convenience

Tools and features:

- Latest code content
- Simplified search tools
- Confidence in accuracy
- Real time updates
- Streamline common code references within your portal or workflow tool

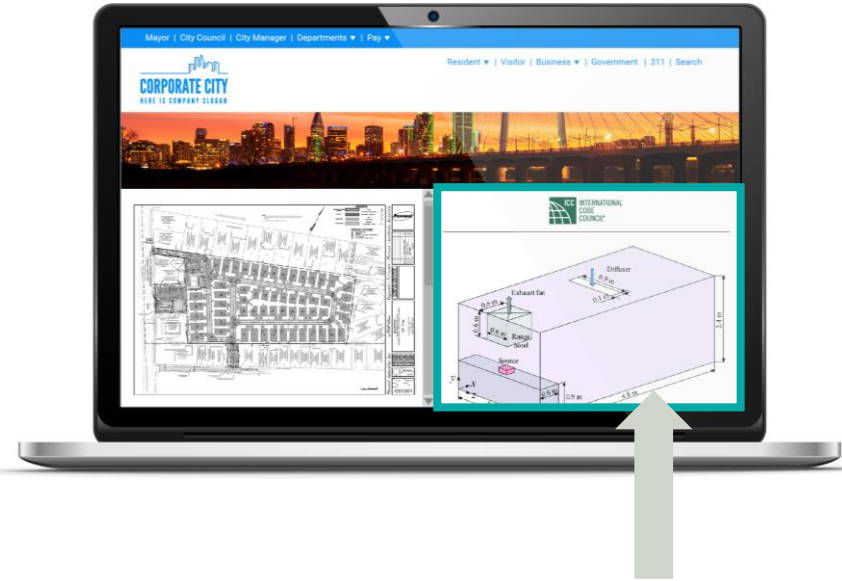
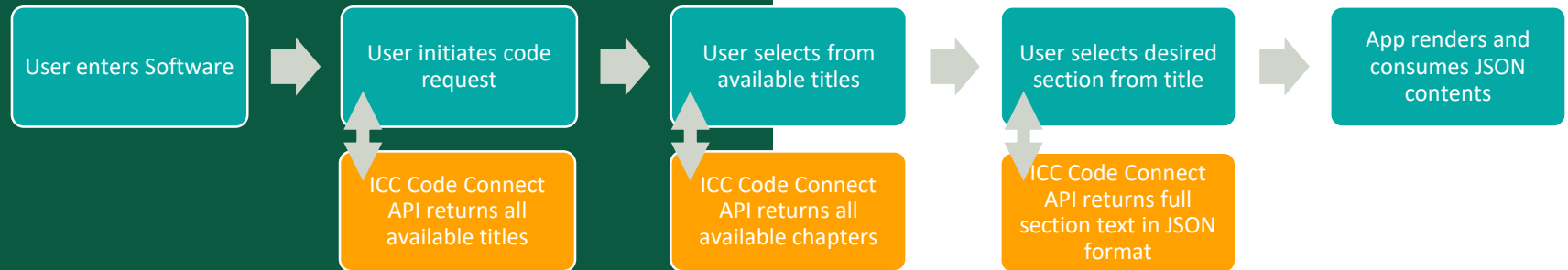


“ Using the ICC Code Connect API puts all the code information essentially at your fingertips, literally.”
Roy, Architect

How ICC Code Connect API Works

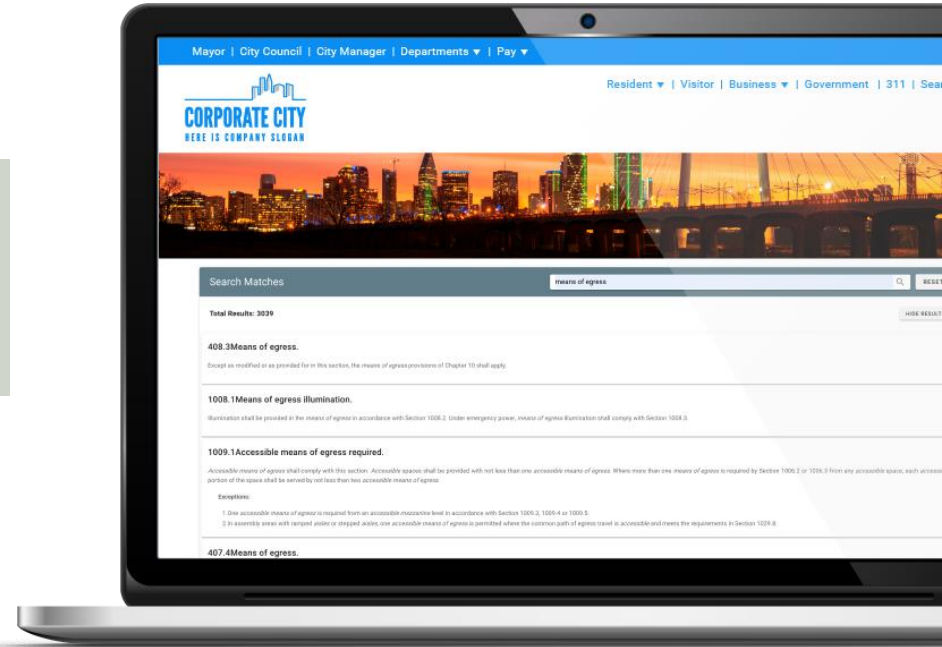
ICC Code Connect API establishes a direct connection to ICC's codes and standards from within an organization's workflow tool via API:

- Search and import the latest code content directly to your building code software
- Your software (teal boxes) communicates directly with ICC Code Connect API database (orange boxes)



Make Your Plan Review More Efficient

- **Avoid mistakes** when capturing code citations manually from outdated print or PDF files
- **Automatically link** a section reference to the complete section text
- **Quickly copy and paste** code content into correction letters and other review documents
- **Integrate content** directly onto the screens your team works

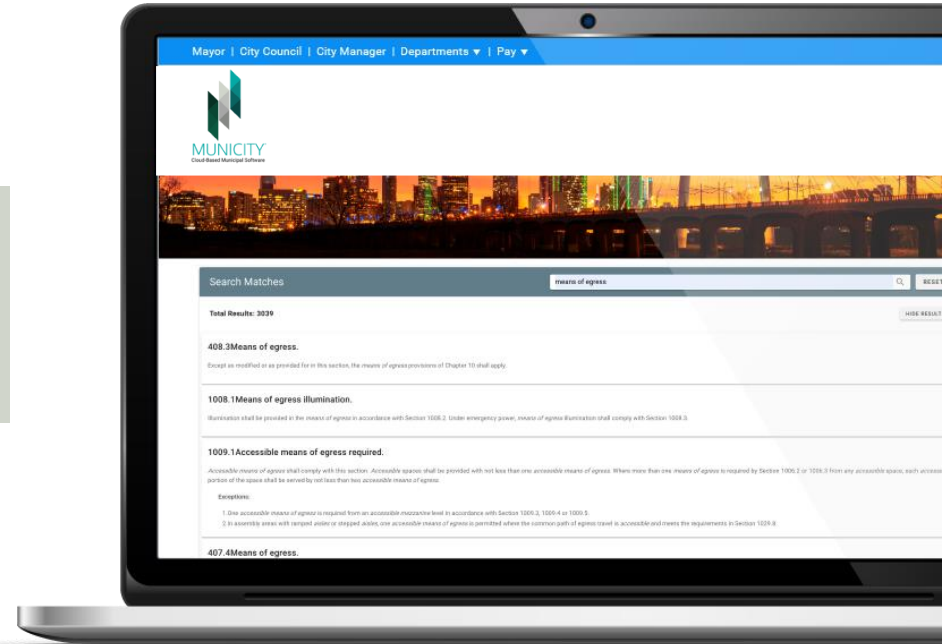


ICC Code Connect API Marketplace

Service Level Agreements established with third-party resellers to offer ICC Code Connect API as a value-add feature to their software

- Technology based advantage
- Marketing Collateral Available
- Software Provider Featured on ICC Website
- Easy onboarding
- Better code integration
- Real time updates
- Admin Reporting
- Landing Page

<https://solutions.iccsafe.org/codeconnect>



ICC Code Connect API Pricing

Full ICC Code Connect API solution is dependent on completing a **Software as a Service Agreement** including **Schedules** for content licensing

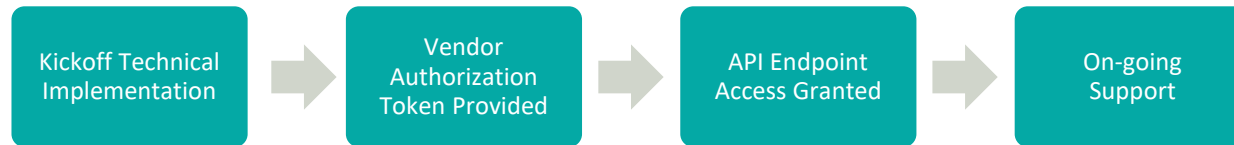
1. **Service Level** solutions integration to be developed to a software solution
 - \$3,000 per state or \$10,000 for unlimited states annual fee
 - Development support provided by ICC
2. **Content Licensing** to deliver desired content
 - User or population models available (pricing in following slides)



Set Up and Connection

Solutions Integration: Software companies will sign license agreement for the integration with ICC.

- Implementation fee (covers implementation and SLA level terms on-going)
- Implementation fee includes:
 - Implementation Support
 - On-going access
- ICC promotes integration through ICC Code Connect API vendor marketplace



Content Licensing Pricing

ICC provides annual subscription price for access to code contents by title

- Jurisdiction cost determined by population and quantity of titles
- Vendor/Company cost determined by employee size and quantity of titles
- Allow clients to utilize existing content license key across multiple vendors

Samples of contents currently available

1. 2021 I-Codes
 2. 2018 I-Codes
 3. 2020 New York State Codes
 4. 2018 New Jersey Codes
 5. 2017 Ohio Codes
 6. 2018 Zoning Code (pilot)
 7. 2012 Fire Code (pilot)
- Additional content offerings added to ICC Code Connect API upon market interest
 - eCode360 API available for jurisdictions with eCode360 instance

ICC Code Connect API API

Technical Features

- SSO Authentication through OAuth2.0
- Integrate Code Contents (Sections, Tables, Figures) to software solutions directly from the reliable, authentic source
- Data returned in JSON format and include ability to retrieve individual sections up to entire chapters through single request
- Access to new versions of titles as they are published as well as all historical versions
- Search capabilities across available titles
- Access to available contents bundled by title, custom groups of titles or all contents
- Documentation and sample endpoint responses available
from: <https://api.iccsafe.org/>
<https://api-dev.iccsafe.org/demo/>

The screenshot displays the 'Request samples' and 'Response samples' sections of the ICC Code Connect API documentation. The 'Request samples' section has two tabs: 'CURL' and 'JavaScript'. The 'CURL' tab is active, showing a sample request: `curl -X GET "https://api-dev.iccsafe.org/v1/content/{contentId}" -H "`. A 'Copy' button is located to the right of the code. The 'Response samples' section shows a status code of '200'. Below this, there are two dropdown menus: 'Content type' set to 'application/json' and 'Example' set to 'table-response'. To the right of these dropdowns are buttons for 'Copy', 'Expand all', and 'Collapse all'. The main area displays a JSON response snippet, including fields like 'footnote', 'ordinal', 'xmlId', 'label', 'title', 'content', and 'type'. A scrollbar is visible at the bottom of the JSON content.

Request samples

CURL JavaScript

Copy

```
curl -X GET "https://api-dev.iccsafe.org/v1/content/{contentId}" -H "
```

Response samples

200

Content type
application/json

Example
table-response

Copy Expand all Collapse all

```
{
  "footnote": "<p xmlns='http://www.w3.org/1999/xhtml' xmlns:epub='http://www.w3.org/2007/08/xhtml'>
  "ordinal": "TABLE 509",
  "xmlId": "IBC2018_Ch05_Sec509_Tbl509",
  "label": "[F]",
  "title": "INCIDENTAL USES",
  "content": "<table class='code' frame='box' rules='all'>\n<thead>
  "type": "table"
}
```



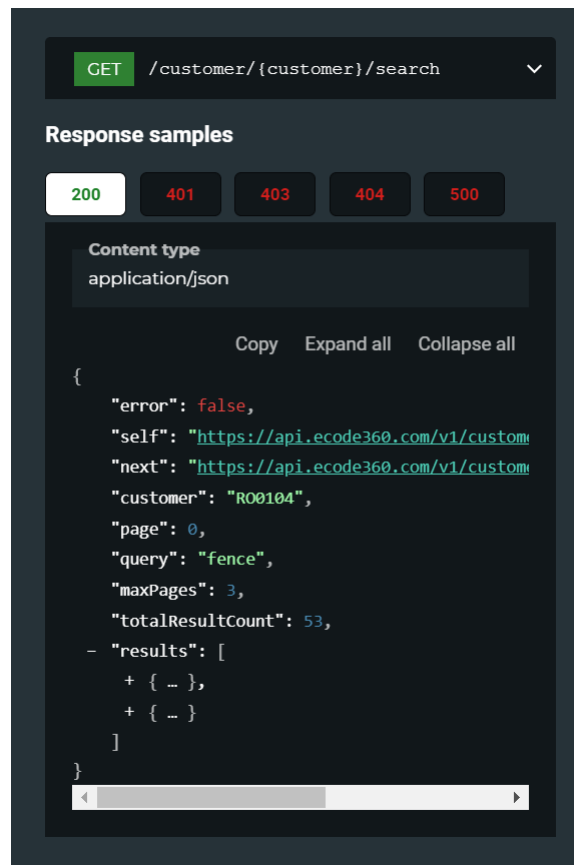
eCode360® API

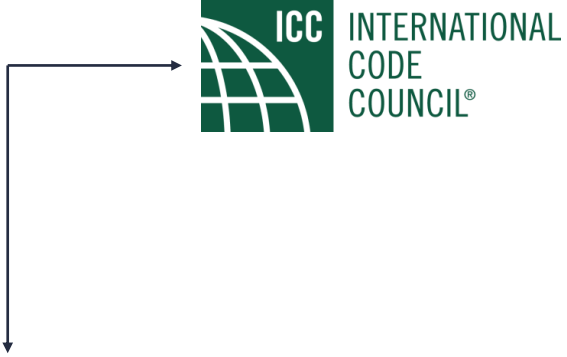
- Designed to provide programmatic access to *eCode360* content
- Available to General Code clients with an active *eCode360* product
- Licensed per municipality
- Pricing Model per Code (per Municipality)
 - Implementation \$250
 - Maintenance \$595 annual fee

eCode360 API

Technical Features

- Paired-key authentication
- Client or General Code can manage keys
- Integrate Code Content to software solutions directly or via ICC Code Connect API middleware
- Structure API describes the way content is organized
- Search API leverages same search engine and results used in *eCode360*
- Content API leverages same content used in *eCode360*
- Data returned in JSON format and includes ability to retrieve content from individual subsections up to entire chapters through single request
- Documentation and sample endpoint responses available from: <https://developer.ecode360.com/>





Family of Solutions

