



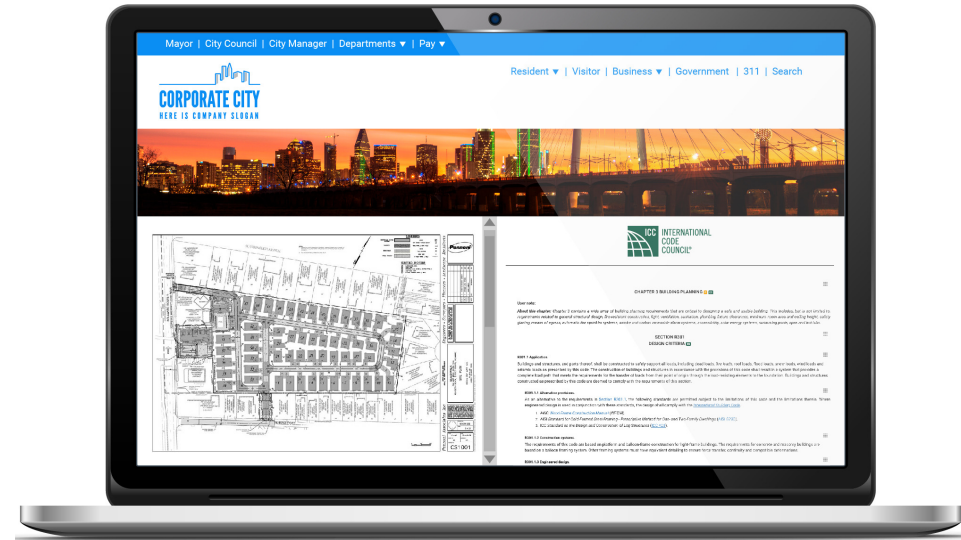
ICC Code Connect® API

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



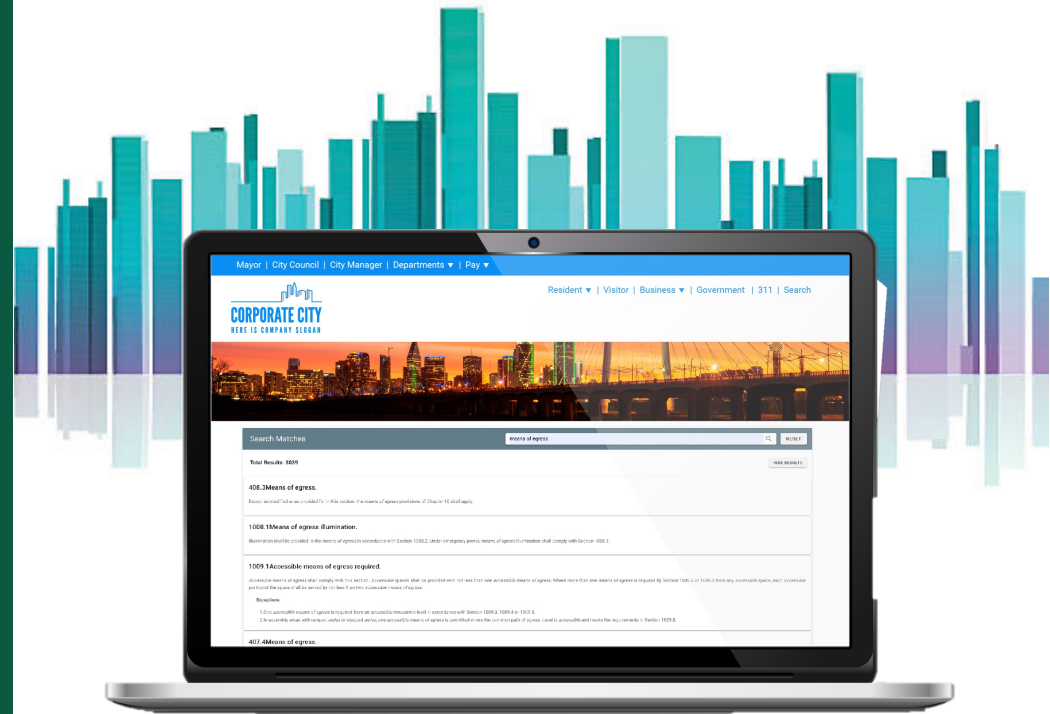
“Easy access to the fire, building, and mechanical codes that I use every day. It is fantastic.”

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

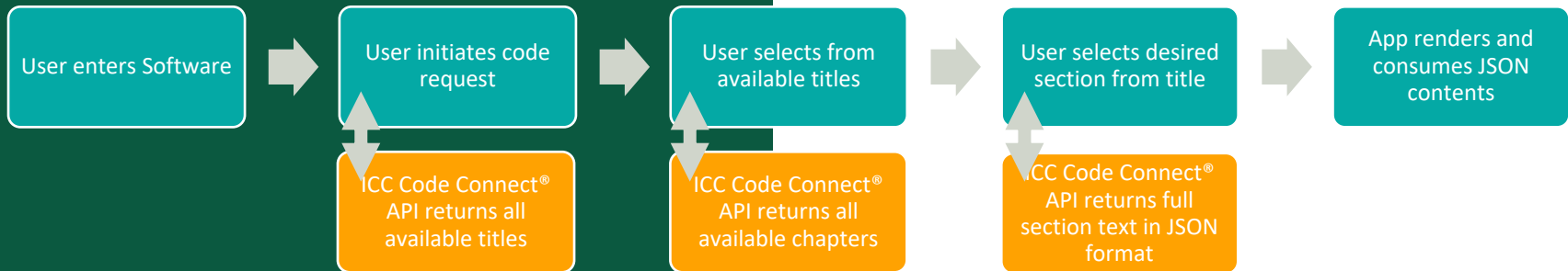
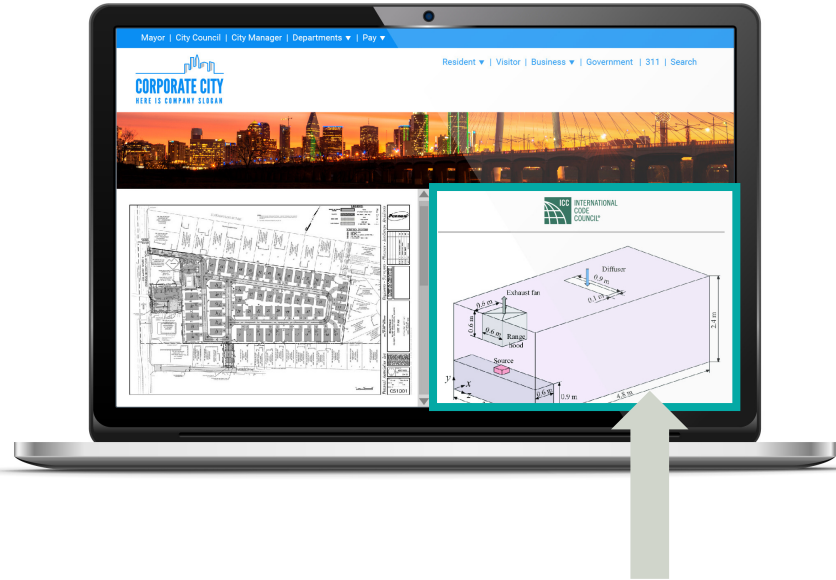


“ Using the ICC Code Connect® API puts all the code information essentially at your fingertips, literally.”
Roy, Architect

How ICC Code Connect® API Works

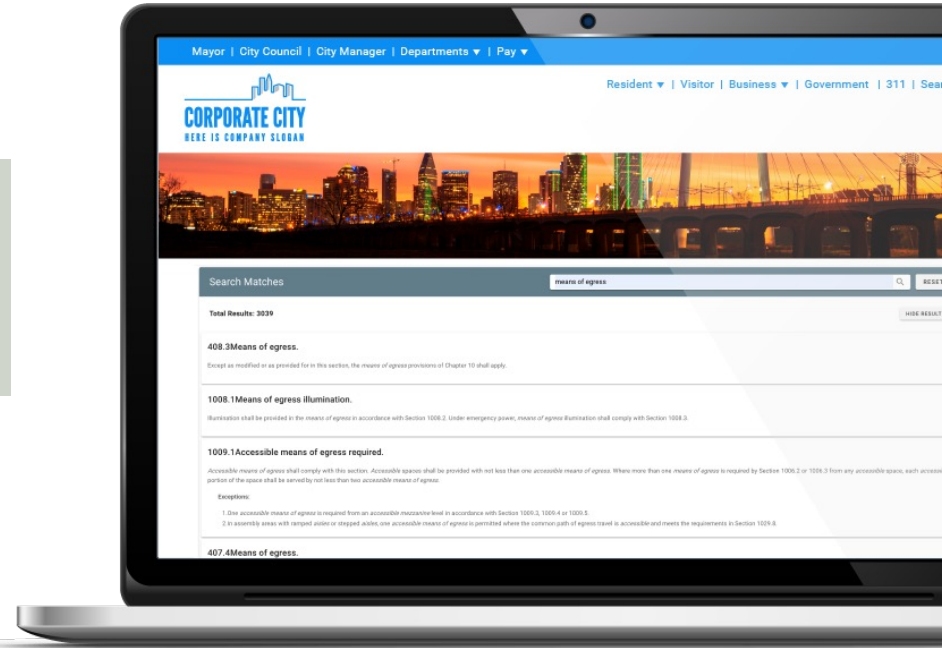
ICC Code Connect® API establishes a direct connection to ICC's codes and standards from within an organization's workflow tool via API:

- 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- **Avoid mistakes** when capturing code citations manually from outdated print or PDF files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

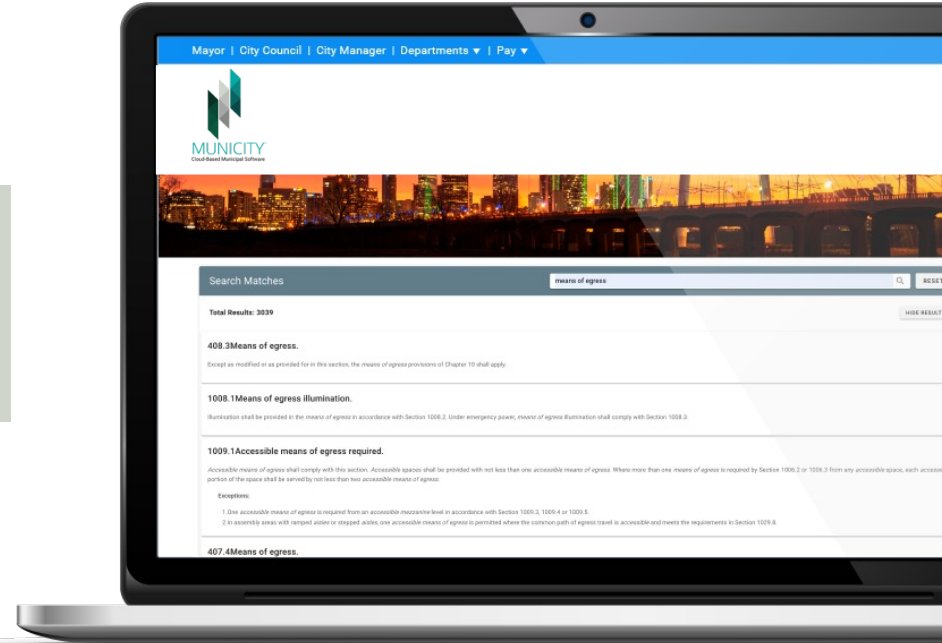


ICC Code Connect® API Marketplace

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

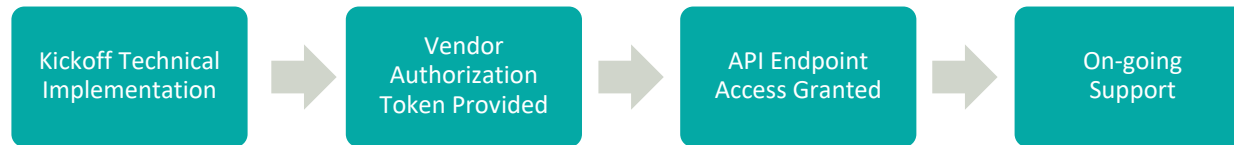
1. **Service Level** solutions integration to be developed to a software solution
 - \$3,000 per state or \$10,000 for unlimited states annual fee
 - Development support provided by ICC
2. **Content Licensing** to deliver desired content
 - User or population models available (pricing in following slides)



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"
}
```



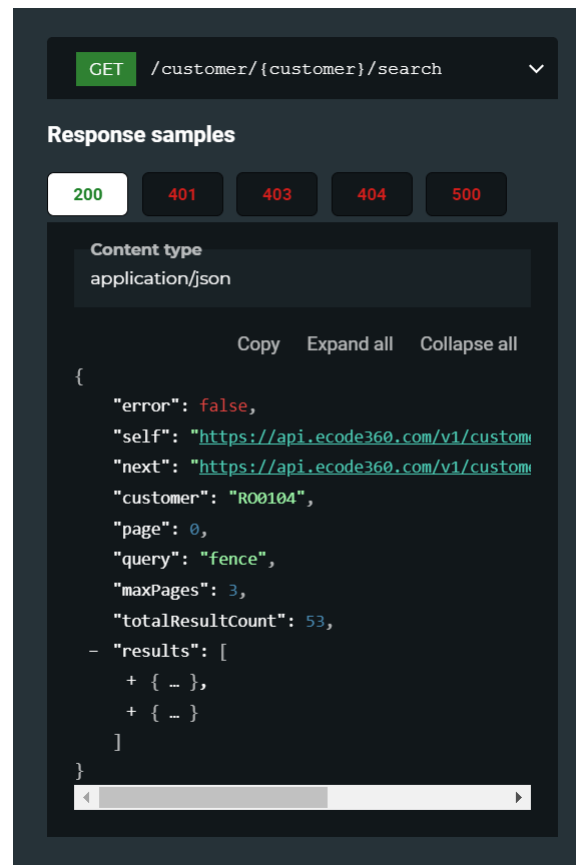
eCode360® API

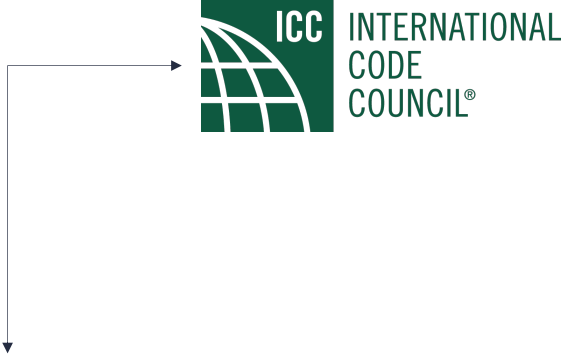
- Designed to provide programmatic access to *eCode360* content
- Available to General Code clients with an active *eCode360* product
- Licensed per municipality
- Pricing Model per Code (per Municipality)
 - Implementation \$250
 - Maintenance \$595 annual fee

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

