

IoT Toolkit

Powerful tools to quickly develop highly-integrated, secure, cost-effective IoT applications on the Veeva Edge Platform

IoT technology offers dramatic opportunities for service creation, automation, and cost savings. But creating IoT solutions presents significant challenges to developers. There is an ever-increasing number of available devices that your application may use, each with its own unique interfaces and protocols. All of these different interface types often require separate bridge hardware, making your simple application more difficult to deploy, scale, and support. And what works in an indoor environment may not work outdoors. As a developer, you are faced with tremendous complexity.

These issues present barriers to your ability to quickly and easily create and deploy IoT system solutions. The Veeva Edge Platform and Veeva's IoT Toolkit help you overcome these challenges.

The Veeva Solution

Veeva's IoT Gateway Tools allow you to build full-featured, multi-interface, reliable and scalable software applications for your IoT systems by leveraging the power and simplicity of the Veeva Edge Platform. You can easily take advantage of all of the integrated IoT device interfaces that VeevaHubs provide in a single network element:

- Wi-Fi
- Bluetooth
- Zigbee
- LoRaWAN

The IoT Toolkit provides built-in protocol stacks to let you quickly build applications for the Veeva Edge Platform that discover, connect, manage, and control a large number of IoT devices, with support for more devices being continuously added.



Key features and benefits

Accelerate your development

Built-in device communication stacks handle the low-level discovery, messaging and control for a wide array of devices.

Quickly deploy your solution

The Veeva Edge Platform allows you to deploy your application from a central, cloud-based management portal.

Easily scale to demand

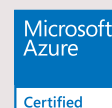
Veeva's wireless mesh and vBus technologies allow you to easily add devices or processing resources to your deployed applications and systems, simply by adding VeevaHubs to your network. These additions can be made wirelessly.

Put your application where it is needed

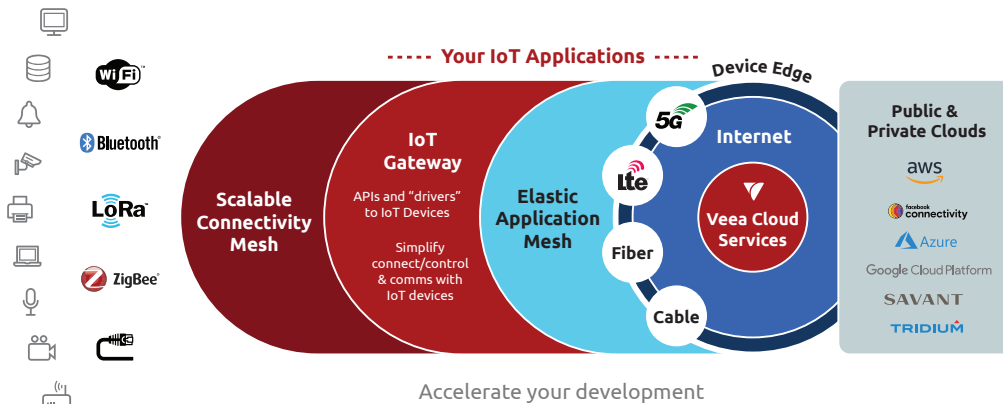
The Veeva Edge Platform offers Smart Edge Nodes for SOHO, Enterprise, Manufacturing, and outdoor environments. Integrated radios for PAN, LAN, and WAN connectivity allow for an unlimited number of uses in a broad range of environments.

Leverage Veeva's continuous evolution

VeevaHubs are Microsoft Azure Certified for IoT, and the IoT Toolkit offers an IoT Tools for Azure module to allow you to quickly integrate the Azure IoT cloud into your solutions. Veeva is committed to adding additional cloud platforms and IoT devices to our software stack, so that you can easily adopt a variety of IoT Platforms.



Each Veeahub Smart Edge Node (SEN) provides a secure Linux-based edge processing platform which uses secure container technology to support co-residence and simultaneous operation of multiple applications on the same Veeahub. And to scale your application, Veeahubs can be meshed together to increase the available processing and connectivity for your application. Veeahub's proprietary **vBus** technology allows any processing element on the mesh to communicate with any IoT device attached to the mesh. Veeahubs also offer both wired ethernet and Wireless WAN 4G/LTE connectivity options. A single Veeahub or Veeahub Edge Mesh can be designed for completely autonomous operation, or can connect to public or private clouds, giving you the flexibility to create hybrid edge/cloud processing solutions.



Veeahub also offers vendor-specific cloud-service modules that can also be combined with IoT Tools to simplify your ability to connect your applications running on the Veeahub Edge Platform to public cloud IoT processing platforms, such as Microsoft Azure¹.

Learn More! Visit developer.veeahub.com

¹ Veeahub Smart Edge Nodes are Microsoft Azure Certified for IoT



**Contact us today
for more information**

Visit veeahub.com or contact us at sales@veeahub.com for more information and demos.

About Veeahub

Veeahub is leading the way to Local Network Intelligence at the Device Edge. Veeahub's hybrid "Connect + Compute" platform is deployed where connected devices actually connect to the network, providing not only the high-availability, resilient multi-protocol connectivity today's "smart" systems require, but also a scalable, secure server capability that keeps things running smoothly – even when Internet connectivity is lost. Veeahub customers enjoy significant benefits, including fewer network devices to deploy and manage, lower costs, reduced WAN bandwidth, automatic WAN failover, and the fastest possible response for the most critical real-time applications.