Red Hat Consulting: Red Hat Developer Hub Pilot

Solution overview:

Standard engagement time: 6-8 weeks

Typical staffing resources:[1]

▸ 1 Architect

▸ 1 Senior consultant

▸ 1 Consultant

▸ 1 Delivery lead

Benefits:

▸ Improved user experience by providing a user-friendly, customizable central hub for applications and tooling.

▸ Reduced costs from improved application and developer onboarding times.

▸ Standardization using templates to simplify development and ensure compliance.

▸ Increased security from enforced security standards and ability to identify vulnerabilities.

What is Red Hat Consulting: Red Hat Developer Hub Pilot?

Red Hat® Developer Hub Pilot is a Red Hat Consulting engagement designed to help implement Red Hat's internal developer portal: Red Hat Developer Hub. This pilot helps developers identify and manage various services, tools and application programming interfaces (APIs) within their organization and support enhancements of cloud-native development capabilities.

Organizations seek to address a multitude of industry challenges such as security and compliance, improved developer experience, adhering to organization governance models and increased transparency. By centralizing applications, tooling- and task-automation developers are able to shift their focus to improving application development to increase speed, efficiency and innovation.

Benefits and outcomes

Developer Hub Pilot was created to help organizations implement Red Hat Developer Hub to address common industry terms.

Common challenges and engagement outcomes

Industry challenges	Outcomes with Red Hat Services
Streamline provisioning of environments and shorten IT approval time to expedite the development process.	Provide self-service provisioning and reduced costs with increased release times for application and developer onboarding.
Identify a solution to ensure organizational governance models.	Introduce standardization with a customized software template to simplify development and ensure compliance for documenting applications and APIs.
Improve the developer experience.	Improve user experience by providing a user-friendly, customizable central hub for applications and tools.
Increase the visibility and transparency of the development process across different teams and departments.	Increase compliance and security with recommended guidelines set by our subject matter expert, making adherence to organizational governance models more straightforward.

1 *Time and staffing may vary based on customer's needs.*

Teams that could benefit from this engagement:

▸ Developers struggling in standalone, complex environments or experiencing high cognitive loads due to scattered documentation

▸ Platform Engineers facing manual infrastructure provisioning, security and compliance challenges or limited self-service capabilities for developers

▸ Product owners suffering from lack of visibility into development progress, insufficient collaboration or difficulty in validating and iterating on product ideas

▸ Business stakeholders having trouble understanding status of development projects or experience limited involvement in the development process and feedback loops

Red Hat Services joins teams to help realize these mentioned outcomes by helping with the installation and deployment, set up, and simplifying complex software environments.

Get started with Developer Hub Pilot

Developer Hub Pilot helps customers, iteratively and strategically, achieve value in less time while building capabilities throughout their organization. Through the engagement, teams receive coaching and mentorship on capabilities like continuous integration and continuous delivery tools, application visualization, cluster management, standardization and more, while adopting the skills and methods needed to adopt Developer Hub. Below are some objectives and ways Red Hat Services joins your team to realize the full potential of your IT investment.

▸ Platform design and deployment

  ▸ Architecture review to explore product goals, address challenges, and outline how to collaborate on deployment and strategy.

  ▸ Create repeatable patterns by implementing Infrastructure as Code (IaC) deployment of Developer Hub using a helm chart or operator to ensure consistency.

  ▸ Tooling integration (SSO, CI/CD, vault) to identify what type of authentication is needed, what CI/CD pipelines are available, monitoring frameworks, to build a list of recommended plug-ins.

▸ Plug-ins

  ▸ Based on architecture discussions, Red Hat Services will help to install and configure any necessary out of the box Red Hat supported or community plug-ins.

  ▸ Design and customize the ideal component dashboard. In this phase, Red Hat consultants will guide you in selecting the most relevant information and positioning it for optimal impact.

  ▸ Support in designing and configuring standardized tech documentation tailored for use within Developer Hub, ensuring a consistent and efficient developer experience.

▸ Standard templates

  ▸ Software template creation: Red Hat will help you design and create up to three templates that typically include walking a team through how to onboard a standard application onto the system, creation of namespaces and CI/CD pipelines.

  ▸ Red Hat addresses onboarding workflows for new applications and other processes that need to take place during onboarding, such as code analysis, resource creation and monitoring setup.

▸ Team onboarding

  ▸ Once the workflows are addressed, Red Hat will look at streamlining the onboarding process for developers and other users, while assessing the permissions needed to be put in place.

  ▸ Lastly, Red Hat will define and help implement a strategy to build out the software catalog that best suits the organization in onboarding existing applications into Developer Hub.

The Red Hat Services difference

Red Hat Services works with Red Hat engineering teams to deliver advanced solutions, which provides focused insight into upcoming features and product roadmaps. Red Hat Services is better positioned to align teams, streamline processes, and help enterprise systems and applications work together using open source and proprietary technologies.

Many of our consultants are active contributors to the upstream open source communities behind Red Hat technologies. With diverse technical experience, Red Hat consultants bring extensive expertise with open source and proprietary systems and application platforms. Red Hat's comprehensive understanding of the technology market helps to provide clients with a complete view of their environment. Guidance is based not only on our own products but also on a holistic understanding of building enterprise systems. Speak to a consultant today.

If you are looking to get started on your own, Red Hat Training and Certification offers role-based knowledge through hands-on training in emerging and foundational open source technologies. Red Hat Training and Certification courses can help you build real-world skills that support critical commoditization and transformation projects. If you are unsure where to get started, visit our Red Hat OpenShift® skills path for developers or administrators.

Red Hat Technical Account Management offers 1-on-1 specialized support and works with you to resolve potential problems before they occur, minimizing disruption and allowing you to focus on key business challenges.

About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers develop cloud-native applications, integrate existing and new IT applications, and automate and manage complex environments. A trusted adviser to the Fortune 500, Red Hat provides award-winning support, training, and consulting services that bring the benefits of open innovation to any industry. Red Hat is a connective hub in a global network of enterprises, partners, and communities, helping organizations grow, transform, and prepare for the digital future.

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