IBM Watson provides various tools and services for deploying machine learning models with abstraction and modular capabilities. Here's an overview of some key components:

1. **Watson Machine Learning (WML)**: IBM Watson Machine Learning is a platform that offers abstraction for model deployment. It allows you to deploy, monitor, and manage machine learning models in a scalable and easy-to-use manner.

2. **IBM Cloud**: IBM Cloud provides a robust infrastructure for hosting and deploying your machine learning models. You can choose from various cloud services, including IBM Kubernetes Service and IBM Cloud Functions, to deploy your models.

3. **Watson Studio**: Watson Studio is an integrated environment that provides tools for data preparation, model development, and model deployment. It offers a modular approach to building and deploying machine learning pipelines.

4. **AutoAI**: IBM AutoAI is a part of Watson Studio that automates many aspects of model building, including feature engineering and hyperparameter tuning. This abstraction simplifies the deployment process.

5. **Model Deployment Options**: IBM Watson supports various deployment options, including deploying models as RESTful APIs, Docker containers, or serverless functions, giving you flexibility in how you deploy your models.

6. **Monitoring and Management**: Watson provides tools for monitoring model performance and managing deployed models. You can track metrics, set up alerts, and re-deploy models as needed.

7. **Scalability**: IBM Watson's cloud infrastructure allows for easy scaling of deployed models to handle increased workloads or data volumes.

8. **Security**: IBM Watson places a strong emphasis on security, providing features like data encryption, authentication, and authorization to ensure the safety of your deployed models.

9. **Integration**: IBM Watson services can be integrated with various data sources, databases, and third-party tools, making it easier to connect your machine learning models with existing systems.

10. **Customization**: You can customize and fine-tune your deployment environment according to your specific requirements, giving you control over the infrastructure and resources used.

In summary, IBM Watson offers a comprehensive ecosystem with abstraction and modular capabilities for machine learning model deployment. Whether you need to deploy a simple model or a complex pipeline, IBM Watson provides the tools and services to streamline the process while ensuring scalability, security, and flexibility.